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OM nucleic - nucleic search, using sw model

Run on: November 11, 2005, 06:34:39 ; Search time 271.197 Seconds
(without alignments)
9430.425 Million cell updates/sec

Title: US-08-842-827-1
Perfect score: 1563
Sequence: 1 CCTGTGGAGAGAGCGCGG.....CCAAATAAAAAAAAAAAAAA 1563

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1170.6	74.9	1315	3	US-08-992-035A-2
2	265	17.0	266	4	US-09-016-434-322
3	253.2	16.2	1303	4	US-09-566-921-117
4	225.4	14.4	231	3	US-09-439-313-456
5	225.4	14.4	231	3	US-09-352-616A-456
6	225.4	14.4	231	4	US-09-636-215-456
7	225.4	14.4	231	4	US-09-685-166A-456
8	225.4	14.4	231	4	US-09-679-426-456
9	225.4	14.4	231	4	US-09-759-143-456
10	225.4	14.4	231	4	US-09-651-236-456
11	218	13.9	272	4	US-09-360-376-28
12	151	9.7	151	3	US-09-439-313-316
13	151	9.7	151	3	US-09-352-616A-316
14	151	9.7	151	3	US-09-232-149A-316
15	151	9.7	151	4	US-09-636-215-316
16	151	9.7	151	4	US-09-685-166A-316
17	151	9.7	151	4	US-09-688-489-316
18	151	9.7	151	4	US-09-679-426-316
19	151	9.7	151	4	US-09-759-143-316
20	151	9.7	151	4	US-09-651-236-316
21	137.2	8.8	472	4	US-09-702-705-273
22	137.2	8.8	472	4	US-09-736-457-273
23	137.2	8.8	472	4	US-09-614-124B-273
24	137.2	8.8	472	4	US-09-671-325-273
25	137.2	8.8	472	4	US-09-589-184-273
26	137.2	8.8	472	4	US-09-658-824-273
27	135.6	8.7	434	4	US-09-702-705-1590

28	135.6	8.7	434	4	US-09-736-457-1590	Sequence 1590, Ap
29	135.6	8.7	434	4	US-09-614-124B-1590	Sequence 1590, Ap
30	135.6	8.7	434	4	US-09-671-325-1590	Sequence 1590, Ap
31	135.6	8.7	434	4	US-09-658-824-1590	Sequence 1590, Ap
32	134.6	8.6	472	4	US-09-702-705-342	Sequence 342, App
33	134.6	8.6	472	4	US-09-736-457-342	Sequence 342, App
34	134.6	8.6	472	4	US-09-614-124B-342	Sequence 342, App
35	134.6	8.6	472	4	US-09-671-325-342	Sequence 342, App
36	134.6	8.6	472	4	US-09-589-184-342	Sequence 342, App
37	134.6	8.6	472	4	US-09-658-824-342	Sequence 342, App
38	118.4	7.6	308	2	US-08-721-488-4	Sequence 4, Appli
39	113	7.2	113	4	US-09-016-434-282	Sequence 282, App
40	102.4	6.6	217	4	US-09-016-434-286	Sequence 286, App
41	59.8	3.8	1967	4	US-09-270-767-11662	Sequence 11662, A
42	58.4	3.7	253	4	US-09-016-434-301	Sequence 301, App
43	58	3.7	2406	4	US-09-976-594-119	Sequence 119, App
44	48.4	3.1	166698	4	US-09-949-016-16038	Sequence 16038, A
45	45	2.9	804	4	US-09-902-540-8928	Sequence 8928, Ap

ALIGNMENTS

RESULT 1
US-08-992-035A-2
; Sequence 2, Application US/08992035A
; Patent No. 6242179
; GENERAL INFORMATION:
; APPLICANT: Shah, Purvi
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; TITLE OF INVENTION: HUMAN PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/992,035A
; FILING DATE: December 17, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0433 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1315 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BLADNOT06
; CLONE: 1719418
US-08-992-035A-2

Query Match 74.9%; Score 1170.6; DB 3; Length 1315;
Best Local Similarity 93.8%; Pred. No. 2.3e-312;
Matches 1231; Conservative 0; Mismatches 79; Indels 3; Gaps 1;

Qy 248 TCGCCAGCCCGCGGCTCGATAATCAAGGGCCCTCGGCGCTCGTCCCGCACCTCAT 307
Db 3 TCGCCAGCCCGCGGCTCGAGATCAAGGGCCCTCGGCGCCGTCCCGCAGCTCAGT 62
Qy 308 CCATCGCCCTTCCCGGCGAGCCCGGCGAGACCATGTTTGACAAGACGCGGCTGCCGTA 367
Db 63 CCATCGCCCTTCCCGGCGAGCCCGGCGAGACCATGTTTGACAAGACGCGGCTGCCGTA 122
Qy 368 CGTGGCCCTCGATGTCCTCGCTGCTGGCTGGATTCGCTTTTGCAATCTTACTTTC 427
Db 123 CGTGGCCCTCGATGTCCTCGCTGCTGGCTTCCATGCCCTATGGCTGTTCTAAAT 182
Qy 428 AAGGCATA--CCCCCTTCCAACGAGGAGTATCTGTAATGATGATCCATCAAGTACCC 484
Db 183 GGGCCAAATATATCCATTCAGAGAGGCTTTTCTGTAAGACAAACAGCATCAACTATCC 242
Qy 485 TTACAAAGAAACACACCATACCTTATGCGTATTATAGTGGAATAATCAATCCATTCAAT 544
Db 243 GTACCATGACAGTACCGTCACATCCACTGCCTCATCTAGTGGGGTTGGCTTGCCCAT 302
Qy 545 TATCGTTATTATCTTGGAGAAACCTGTCTGTCTTACTGTAAACCTTTTGGCACTCAAAATTC 604
Db 303 TTCCTCTATTATCTTGGAGAAACCTGTCTGTCTTACTGTAAACCTTTTGGCACTCAAAATTC 362
Qy 605 CTTTATCAGGAATAACTACATAGCCACTATTTTACAAAGCCATTGGAACCTTTTATTTGG 664
Db 363 CTTTATCAGGAATAACTACATAGCCACTATTTTACAAAGCCATTGGAACCTTTTATTTGG 422
Qy 665 TGCAGCTGCTAGTCAGTCCCTGACTGACATGACATGACATGACATGACATGACATGACAT 724
Db 423 TGCAGCTGCTAGTCAGTCCCTGACTGACATGACATGACATGACATGACATGACATGACAT 482
Qy 725 TCACCTTCTGGATGTTTGTGATCCAGATTGGTCAAAATCAAACTGCAGCATGTTTACAT 784
Db 483 TCACCTTCTGGATGTTTGTGATCCAGATTGGTCAAAATCAAACTGCAGCATGTTTACAT 542
Qy 785 TGAATACTACATATGTCAGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGCTCTCTA 844
Db 543 TGAATACTACATATGTCAGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGCTCTCTA 602
Qy 845 TTCAGGCCACTCTTCGTTTCCATGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 904
Db 603 TTCAGGCCACTCTTCGTTTCCATGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 662
Qy 905 CAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCCAGACTGCAATTTGGTCTTGTGTC 964
Db 663 CAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCCAGACTGCAATTTGGTCTTGTGTC 722
Qy 965 CGTATCCATTTATGTCGCTTCTTCGAGTTTCTGATTATAAAACACCCTGAGCGATGT 1024
Db 723 CGTATCCATTTATGTCGCTTCTTCGAGTTTCTGATTATAAAACACCCTGAGCGATGT 782
Qy 1025 GTTGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGATATGATCGGA 1084
Db 783 GTTGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGATATGATCGGA 842
Qy 1085 TTTCTTCAAGAAAGAACTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCT 1144
Db 843 TTTCTTCAAGAAAGAACTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCT 902
Qy 1145 GCATGAACACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGGCAGC 1204
Db 903 GCATGAACACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGGCAGC 962
Qy 1205 AGGGTCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAATGATTGCCAAGGCAAGAG 1264
Db 963 AGGGTCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAATGATTGCCAAGGCAAGAG 1022
Qy 1265 GATGCATCTTTCTTCCTGGTGTAAGCCCTTAAAGACTTCTGCTGATATGCCTCTT 1324
Db 1023 GATGCATCTTTCTTCCTGGTGTAAGCCCTTAAAGACTTCTGCTGCTGATGCCTCTT 1082

Qy 1325 GGATGCACACTTTTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAA 1384
Db 1083 GGATGCACACTTTTGTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAA 1142
Qy 1385 ACTCATTAATAAAACCTCCAGCCCTTCCACCAAAACAGTGGCCACCTGTATACATTTTA 1444
Db 1143 ACTCATTAATAAAACCTCCAGCCCTTCCACCAAAACAGTGGCCACCTGTATACATTTTA 1202
Qy 1445 TTAATAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTCTATGAATGATGT 1504
Db 1203 TTAATAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTCTATGAATGATGT 1262
Qy 1505 TTGATTTAAATATATACATATTTAAATGTATGGAGAACCAAAAAA 1557
Db 1263 TTGATTTAAATATATACATATTTAAATGTATGGAGAACCAAAAAA 1315

RESULT 2

US-09-016-434-322
; Sequence 322, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 322:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 266 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PROSNOT18
; CLONE: 1859317
US-09-016-434-322

Query Match 17.0%; Score 265; DB 4; Length 266;
Best Local Similarity 99.6%; Pred. No. 5.7e-63;
Matches 265; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 849 GGCCACTCTTCGTTTTCCATGTACTGCATGCTGTTGTGGCACTTTATCTTCAAGCCAGG 908
Db 1 GGCCACTCTTCGTTTTCCATGTACTGCATGCTGTTGTGGCACTTTATCTTCAAGCCAGG 60

QY 909 ATGAAGGAGAGCTGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTA 968
Db 61 ATGAAGGAGAGCTGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTA 120
QY 969 TCCATTTATGTGGCCCTTTCTCGAGTTTCTGATTTATAACACCACTGGAGCGATGTGTTG 1028
Db 121 TCCATTTATGTGGCCCTTTCTCGAGTTTCTGATTTATAACACCACTGGAGCGATGTGTTG 180
QY 1029 ACTGGACTCAATCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGATCGGATTTT 1088
Db 181 ACTGGACTCAATCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGATCGGATTTT 240
QY 1089 TTCAAAGAAAGAACTTCTTTTAAAGA 1114
Db 241 TTCAAAGAAAGAACTTCTTTTAAAGA 266

RESULT 3

US-09-566-921-117
; Sequence 117, Application US/09566921
; Patent No. 6682888
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.
; APPLICANT: Tingley, Debora W.
; APPLICANT: Edwards, Carla M.
; TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
; FILE REFERENCE: PA-0024 US
; CURRENT APPLICATION NUMBER: US/09/566,921
; CURRENT FILING DATE: 2000-05-05
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PERL Program
; SEQ ID NO 117
; LENGTH: 1303
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6682888 202234.2
US-09-566-921-117

Query Match 16.2%; Score 253.2; DB 4; Length 1303;
Best Local Similarity 58.7%; Pred. No. 2.8e-59;
Matches 457; Conservative 0; Mismatches 318; Indels 3; Gaps 1;
QY 352 AGACGGCTGCGTACGTGCGCCCTCGATGCTCTGCGTGTGCTGGTGGATGCTT 411
Db 83 AGCGGAGTGGGTCTTCGTGCTGCTCGACGTGCTGTGCTTACTGGTGGCTCCCTGCCCT 142
QY 412 TTGCAATCTTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCGTAATGATGAGT 471
Db 143 TCGCTATCTGACGCTGGTGAACGCCCTTACAAAGCGAGGATTTTACTGGGGGATGACT 202
QY 472 CCATCAAGTACCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGAATAATCA 531
Db 203 CCATCCGGTACCCTTACCCTCCAGATACCATCACCCACGGGCTCATGGTGGGTCAACCA 262
QY 532 TTCCATTCAGTATTATCGTTATTATCTTGGAGAAACCCTGTCTGTTTACTGTAACCTTT 591
Db 263 TCACGGCCACCGTCACTCTGTCTCGGCCGGGAAGCCTACCTGGTGTACACAGACC--- 319
QY 592 TGCACCTCAAATCTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAA 651
Db 320 GGCTCTATTCTCGCTCGGACTTCAACAACCTACGTGGCTGTGTATACAAAGTGTGGGA 379
QY 652 CCTTTTATTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATGTCCTCAAGTATTCAATAG 711
Db 380 CCTTCCTGTTGGGGCTGCCGTGAGCCAGTCTCTGACAGACCTGGCCCAAGTACATGATTG 439
QY 712 GCAGACTGGCCCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAATCAACTGCA 771
Db 440 GCGCTCTGAGGCCCAACTTCTAGCCGTCTGCGACCCCGACTGGAGCCGGGTCAACTGCT 499
QY 772 GCGATGGTTACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGCA 831

Db 500 CGGTCTATGTGCAGCTGGAGAAGGTGTGAGGGGAAACCCTGTGATGTACCGAGGCCA 559
QY 832 GGTGTCTCTTATTTCAGGCCACTCTTCTGTTTCCATGTACTGCTGCTGTTGTGGCAC 891
Db 560 GGTGTCTCTTACTCGGACACTCTTCTTGGATGTTGGATGCTGCTGCTGCTGCTGCTG 619
QY 892 TTTATCTTCAAGCCAGGATGAAGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAAT 951
Db 620 TGTATGTGAGGCACGACTCTGTTGGAAGTGGGCACGGTGTGCGACCCACAGTCCAGT 679
QY 952 TTGGTCTTGTGCGGTATCCATTTATGTGGGCCCTTTCTCGAGTTTCTGATTTATAACACC 1011
Db 680 TCTTCTGTGGGCCCTTGGCCCTCTACGTGGGCTACACCCGCGTGTCTGATTACAAACACC 739
QY 1012 ACTGAGCGATGTGTTGACTGGACTCAATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTG 1071
Db 740 ACTGAGCGATGTCTTGTGGCCCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCT 799
QY 1072 TATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGA 1129
Db 800 GCTACATCTCAGACTTCTTCAAAGCCCGACCCACACGCACTGTCTGAAGGAGGAGGA 857

RESULT 4

US-09-439-313-456
; Sequence 456, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiaochun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 456
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-456

Query Match 14.4%; Score 225.4; DB 3; Length 231;
Best Local Similarity 99.6%; Pred. No. 4.4e-52;
Matches 226; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 476 CAAGTACCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTC 535
Db 5 CAGGTACCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTC 64
QY 536 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCTGTGTTTACTGTPAACCTTTTGCA 595
Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCTGTGTTTACTGTPAACCTTTTGCA 124
QY 596 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAACCTT 655
Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAACCTT 184
QY 656 TTTATTTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTCGCAAGT 702
Db 185 TTTATTTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTCGCAAGT 231

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RESULT 5
US-09-352-616A-456
; Sequence 456, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 456
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-456

Query Match      14.4%; Score 225.4; DB 3; Length 231;
Best Local Similarity 99.6%; Pred. No. 4.4e-52;
Matches 226; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 476 CAAGTACCCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTTCC 535
Db 5 CAGGTACCCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTTCC 64

Qy 536 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAACCTTTTGGCA 595
Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAACCTTTTGGCA 124

Qy 596 CTCAAATTCCTTTATCAGGAATAACTACATAGCCCACTATTACAAAGCCATTGGAACCTT 655
Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCCACTATTACAAAGCCATTGGAACCTT 184

Qy 656 TTTATTTGGTGCGAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 702
Db 185 TTTATTTGGTGCGAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 231

RESULT 6
US-09-636-215-456
; Sequence 456, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
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; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 456
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-456

Query Match      14.4%; Score 225.4; DB 4; Length 231;
Best Local Similarity 99.6%; Pred. No. 4.4e-52;
Matches 226; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 476 CAAGTACCCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTTCC 535
Db 5 CAGGTACCCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTTCC 64

Qy 536 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAACCTTTTGGCA 595
Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAACCTTTTGGCA 124

Qy 596 CTCAAATTCCTTTATCAGGAATAACTACATAGCCCACTATTACAAAGCCATTGGAACCTT 655
Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCCACTATTACAAAGCCATTGGAACCTT 184

Qy 656 TTTATTTGGTGCGAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 702
Db 185 TTTATTTGGTGCGAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 231

RESULT 7
US-09-685-166A-456
; Sequence 456, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 456
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-456

Query Match      14.4%; Score 225.4; DB 4; Length 231;
Best Local Similarity 99.6%; Pred. No. 4.4e-52;
Matches 226; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 476 CAAGTACCCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTTCC 535
Db 5 CAGGTACCCCTTACAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTTCC 64

Qy 536 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAACCTTTTGGCA 595
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Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCGTCTGTTTACTGTAAACCTTTTGCA 124

Qy 596 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTATCAAAAGCCATTGGAACCTT 655

Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTATCAAAAGCCATTGGAACCTT 184

Qy 656 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGGCAAAGT 702

Db 185 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGGCAAAGT 231

RESULT 8

US-09-679-426-456

; Sequence 456, Application US/09679426

; Patent No. 6759515

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C20

; CURRENT APPLICATION NUMBER: US/09/679,426

; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 456

; LENGTH: 231

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-679-426-456

Query Match 14.4%; Score 225.4; DB 4; Length 231;

Best Local Similarity 99.6%; Pred. No. 4.4e-52;

Matches 226; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 476 CAAGTACCCCTTACAAAGAACACACCATACCTTATCGTTATTAGGTGGAATAATCATTC 535

Db 5 CAGGTACCCCTTACAAAGAACACACCATACCTTATCGTTATTAGGTGGAATAATCATTC 64

Qy 536 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAAACCTTTTGCA 595

Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAAACCTTTTGCA 124

Qy 596 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTATCAAAAGCCATTGGAACCTT 655

Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTATCAAAAGCCATTGGAACCTT 184

Qy 656 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGGCAAAGT 702

Db 185 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGGCAAAGT 231

RESULT 9

US-09-759-143-456

; Sequence 456, Application US/09759143

; Patent No. 6800746

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09/759,143

; CURRENT FILING DATE: 2001-01-12

; NUMBER OF SEQ ID NOS: 934

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 456

; LENGTH: 231

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-759-143-456

Query Match 14.4%; Score 225.4; DB 4; Length 231;

Best Local Similarity 99.6%; Pred. No. 4.4e-52;

Matches 226; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 476 CAAGTACCCCTTACAAAGAACACACCATACCTTATCGTTATTAGGTGGAATAATCATTC 535

Db 5 CAGGTACCCCTTACAAAGAACACACCATACCTTATCGTTATTAGGTGGAATAATCATTC 64

Qy 536 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAAACCTTTTGCA 595

Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAAACCTTTTGCA 124

Qy 596 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTATCAAAAGCCATTGGAACCTT 655

Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTATCAAAAGCCATTGGAACCTT 184

Qy 656 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGGCAAAGT 702

Db 185 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGGCAAAGT 231

RESULT 10

US-09-651-236-456

; Sequence 456, Application US/09651236

; Patent No. 6818751

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

```
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 456
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-456

Query Match
Best Local Similarity 14.4%; Score 225.4; DB 4; Length 231;
Matches 226; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 476 CAAGTACCTTACAAAGAACACACCATACCTTATGCGTTATTAGGTGGAATAATCATTC 535
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
5 CAGGTACCTTACAAAGAACACACCATACCTTATGCGTTATTAGGTGGAATAATCATTC 64
Qy 536 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGCTGTTTACTGTAACCTTTTGCA 595
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGCTGTTTACTGTAACCTTTTGCA 124
Qy 596 CTCAAAATTCCTTTATCAGGAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTT 655
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
125 CTCAAAATTCCTTTATCAGGAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTT 184
Qy 656 TTTATTTGGTGCACTGCTAGTCACTCCCTGACTGACATTGCCAAGT 702
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
185 TTTATTTGGTGCACTGCTAGTCACTCCCTGACTGACATTGCCAAGT 231

RESULT 11
US-09-360-376-28
; Sequence 28, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lasser, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
; LENGTH: 272
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(272)
; OTHER INFORMATION: n = A, T, C, or G
US-09-360-376-28

Query Match
Best Local Similarity 13.9%; Score 218; DB 4; Length 272;
Matches 221; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

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1 CNTTGNNGGCANCCCGGCAGNACCANGTTNACNCGCGCTGCCGTACGTGCC 60
Qy 375 CTCGATGCTCTCGCGTTGCTGGCTGGATTGCCCTTTTGCAATCTTACTTCAAGGCAT 434
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
61 CTCGNTATGCTCTCGCGTTGCTGGCTGGANTGCCCTTTTGTAATCTTACTTCAAGGCAT 120
Qy 435 ACCCCCTTCCAAACGAGGAGTATTCTGTATGATGAGTCCATCAAGTACCTTACAAAGAA 494
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
121 ACCCNCTTCCAAACGANGAGTATTCTGNATGNTGAGTCNCTCANGTACCCTTACAAAGAA 180
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Qy 495 GACACCATACCTTATCGGTTATTAGGTGGAATAATCATTCATTCCATTATTCGTTATT 554
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181 GACACNATNCCTTATCGGTTATTAGGTGGNATNATCANNCCATTTCAGGATTATCGGTATT 240
Qy 555 ATTCCTGGAGAAACC 569
Db | | | | | | | | | |
241 ANNCGTGGNGNAACC 255

RESULT 12
US-09-439-313-316
; Sequence 316, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-316

Query Match
Best Local Similarity 9.7%; Score 151; DB 3; Length 151;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCCGTATCCATTTA 60
Qy 977 TGTGGCCTTTCTCGAGTTTCTGATTAATAAACACCACTGGAGCGATGTGTGACT 1036
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
61 TGTGGCCTTTCTCGAGTTTCTGATTAATAAACACCACTGGAGCGATGTGTGACT 120
Qy 1037 CATTGAGGAGCTCTGTTGCAATATTAGTT 1067
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
121 CATTGAGGAGCTCTGTTGCAATATTAGTT 151

RESULT 13
US-09-352-616A-316
; Sequence 316, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-316

Query Match 9.7%; Score 151; DB 3; Length 151;
Best Local Similarity 100.0%; Pred. No. 1.1e-31;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 917 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTTA 976
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTTA 60

Qy 977 TGTGGGCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTGACTGGACT 1036
Db 61 TGTGGGCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTGACTGGACT 120

Qy 1037 CATTGAGGAGCTCTGGTTGCAATATTAGTT 1067
Db 121 CATTGAGGAGCTCTGGTTGCAATATTAGTT 151

RESULT 14
US-09-232-149A-316
; Sequence 316, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-316

Query Match 9.7%; Score 151; DB 3; Length 151;
Best Local Similarity 100.0%; Pred. No. 1.1e-31;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 917 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTTA 976
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTTA 60

Qy 977 TGTGGGCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTGACTGGACT 1036
Db 61 TGTGGGCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTGACTGGACT 120

Qy 1037 CATTGAGGAGCTCTGGTTGCAATATTAGTT 1067
Db 121 CATTGAGGAGCTCTGGTTGCAATATTAGTT 151

RESULT 15
US-09-636-215-316
; Sequence 316, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-316

Query Match 9.7%; Score 151; DB 4; Length 151;
Best Local Similarity 100.0%; Pred. No. 1.1e-31;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 917 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTTA 976
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTTA 60

Qy 977 TGTGGGCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTGACTGGACT 1036
Db 61 TGTGGGCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTGACTGGACT 120

Qy 1037 CATTGAGGAGCTCTGGTTGCAATATTAGTT 1067
Db 121 CATTGAGGAGCTCTGGTTGCAATATTAGTT 151

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OM nucleic - nucleic search, using sw model

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(without alignments)
9461.850 Million cell updates/sec

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1426.8	91.3	1566	24	US-10-764-425-61 Sequence 61, Appl
3	1204	77.0	1388	19	US-10-287-226-347 Sequence 347, App
4	995	63.7	1043	20	US-10-647-426-21 Sequence 21, Appl
5	995	63.7	1043	21	US-10-643-795A-57 Sequence 57, Appl

6	995	63.7	1043	22	US-10-948-518-57 Sequence 57, Appl
7	995	63.7	1043	22	US-10-956-157-1105 Sequence 1105, Ap
8	926	59.2	1096	19	US-10-287-226-345 Sequence 345, App
9	635	40.6	871	18	US-10-191-803-154 Sequence 154, App
10	635	40.6	871	19	US-10-152-319A-1795 Sequence 1795, Ap
11	600	38.4	600	22	US-10-956-157-6340 Sequence 6340, Ap
12	483.4	30.9	486	22	US-10-696-639-2825 Sequence 2825, Ap
13	482.8	30.9	1400	22	US-10-956-157-9858 Sequence 9858, Ap
14	482.8	30.9	3947	22	US-10-956-157-4623 Sequence 4623, Ap
15	482.8	30.9	26197	9	US-09-764-847-1965 Sequence 1965, Ap
16	482.8	30.9	26197	15	US-10-092-154-1965 Sequence 1965, Ap
17	482.8	30.9	26210	9	US-09-764-847-1966 Sequence 1966, Ap
18	482.8	30.9	26210	15	US-10-092-154-1966 Sequence 22657, A
19	471.8	30.2	1746	21	US-10-357-930-22657 Sequence 22828, A
20	471.8	30.2	1746	21	US-10-357-930-22828 Sequence 28502, A
21	471.8	30.2	1746	21	US-10-357-930-28502 Sequence 28683, A
22	471.8	30.2	1746	21	US-10-357-930-28683 Sequence 39311, A
23	422	27.0	543	21	US-10-357-930-39311 Sequence 9132, Ap
24	407.8	26.1	695	21	US-10-357-930-9132 Sequence 40353, A
25	390.6	25.0	436	18	US-10-242-535A-40353 Sequence 40353, A
26	390.6	25.0	436	19	US-10-085-783A-40353 Sequence 243, App
27	354.8	22.7	423	10	US-09-930-213-243 Sequence 2824, Ap
28	342.6	21.9	482	22	US-10-696-639-2824 Sequence 33407, A
29	283.6	18.1	295	18	US-10-242-535A-33407 Sequence 33407, A
30	283.6	18.1	295	19	US-10-085-783A-33407 Sequence 3562, Ap
31	277.4	17.7	460	18	US-10-242-535A-3562 Sequence 3562, Ap
32	277.4	17.7	460	19	US-10-085-783A-3562 Sequence 322, App
33	265	17.0	266	18	US-10-305-720-322 Sequence 25, Appl
34	254.8	16.3	1269	20	US-10-647-426-25 Sequence 117, App
35	253.2	16.2	1303	24	US-10-765-700-117 Sequence 101, App
36	240.2	15.4	1301	24	US-10-491-467-101 Sequence 33205, A
37	236.6	15.1	959	21	US-10-363-345A-33205 Sequence 33206, A
38	236.6	15.1	959	21	US-10-363-345A-33206 Sequence 33205, A
39	236.6	15.1	959	22	US-10-363-483A-33205 Sequence 33206, A
40	236.6	15.1	959	22	US-10-363-483A-33206 Sequence 36051, A
41	236.6	15.1	960	21	US-10-363-345A-36051 Sequence 36051, A
42	236.6	15.1	960	21	US-10-363-483A-36051 Sequence 36051, A
43	236.6	15.1	960	22	US-10-363-483A-36051 Sequence 36052, A
44	236.6	15.1	960	22	US-10-363-483A-36052 Sequence 122479, A
45	231	14.8	275	21	US-10-425-115-122479

ALIGNMENTS

RESULT 1
US-10-357-930-25877
; Sequence 25877, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF HUMAN PROSTATE CANCER
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13


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; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25877
; LENGTH: 1703
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 4, 5, 6, 7, 1697, 1698, 1699, 1700, 1701, 1702,
; LOCATION: 1703
; OTHER INFORMATION: n = A,T,C or G
US-10-357-25877

Query Match      98.0%; Score 1532.2; DB 21; Length 1703;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1548; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

Qy   1  CCTGTGGGAGAGCGCCGGGATCCGGACGGGGTAGCAACCGGGGCGAGCCGTCGCCGGCT 60
Db   109 CCTGTGGGAGAGCGCCGGGATCCGGACGGGG-AGCAACGGGGGCGAGCCGTCGCCGGCT 167

Qy   61  GAGGAGGTCCTGAGGCTACAGAGCTGCCGGGGTGGCAACAGAGCGCCTCGGCCTAACCC 120
Db   168 GAGGAGGTCCTGAGGCTACAGAGCTGCCGGGGTGGCAACAGAGCGCCTCGGCCTAACCC 227

Qy   121 GAGTGTTCGGGGGGGCTGTGAGGGGAGGGCCCCGGGGCGCCATTGCTGGCGGTGGAGCGC 180
Db   228 GAGTGTTCGGGGGGGCTGTGAGGGGAGGGCCCCGGGGCGCCATTGCTGGCGGTGGAGCGC 287

Qy   181 GCGCCGGTCTCAGCCCGCCCTCGGCTGCTCTCCTCCTCGGCTGGGAGGGCCGTATCTC 240
Db   288 GCGCCGGTCTCAGCCCGCCCTCGGCTGCTCTCCTCCTCGGCTGGGAGGGCCGTAGCTC 347

Qy   241 GGGGCGGTGCCAGCCCCGGGCCCGGCTCGATAATCAAGGCGCTCGGCCGTCGTCGCCGA 300
Db   348 GGGGCGGTGCCAGCCCCGGGCCCGGCTCGAGAAATCAAGGCGCTCGGCCCGTCGCCGCA 407

Qy   301 CCTCATTCATCGCCCTTGCCGGGCGAGCCGGGCGAGACCATGTTTGACAAAGACGCGGC 360
Db   408 GCTCAGTCCATCGCCCTTGCCGGGCGAGCCGGGCGAGACCATGTTTGACAAAGACGCGGC 467

Qy   361 TGCCGTAACGGCCCTCGATGTGCTCTGCGTGTGCTGGTGGATTGCTTTTGCAATTC 420
Db   468 TGCCGTAACGGCCCTCGATGTGCTCTGCGTGTGCTGGTGGATTGCTTTTGCAATTC 527

Qy   421 TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCGTAAATGATGAGTCCATCAAGT 480
Db   528 TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCGTAAATGATGAGTCCATCAAGT 587

Qy   481 ACCCTTACAAAGAAAGACACCATACCTTATCGGTTATTAGTGGAAATAATCAATCCATTCA 540
Db   588 ACCCTTACAAAGAAAGACACCATACCTTATCGGTTATTAGTGGAAATAATCAATCCATTCA 647

Qy   541 GTATTATCGTTATTATTCTTGAGAAACCCTGTCTGTTTACTGTAACCTTTTGCACTCAA 600
Db   648 GTATTATCGTTATTATTCTTGAGAAACCCTGTCTGTTTACTGTAACCTTTTGCACTCAA 707

Qy   601 ATTCCCTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAACTTTTAT 660
Db   708 ATTCCCTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAACTTTTAT 767

Qy   661 TTGGTGCACTGCTAGTCAGTCCCTGACTGACATTTGCCAAGTATTCAATAGGCAGACTGC 720
Db   768 TTGGTGCACTGCTAGTCAGTCCCTGACTGACATTTGCCAAGTATTCAATAGGCAGACTGC 827

Qy   721 GGCCTCACTTCTTGGATGTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTT 780
Db   828 GGCCTCACTTCTTGGATGTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTT 887

Qy   781 ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGGAGGTTGTCCT 840
Db   888 ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGGAGGTTGTCCT 947
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Qy   841 TCTATTCAGGCCACTCTTCGTTTTTCCATGTACTGCATGCTGTTTGTGGCACTTTATCTTC 900
Db   943 TCTATTCAGGCCACTCTTCGTTTTTCCATGTACTGCATGCTGTTTGTGGCACTTTATCTTC 1007

Qy   901 AAGCCAGGATGAAGGAGACTGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG 960
Db   1008 AAGCCAGGATGAAGGAGACTGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG 1067

Qy   961 TTGCCGTATCCATTATGTGGCCTTCTCGAGTTTCTGATTTATAAACACCACTGAGCG 1020
Db   1068 TTGCCGTATCCATTATGTGGCCTTCTCGAGTTTCTGATTTATAAACACCACTGAGCG 1127

Qy   1021 ATGTGTTGACTGGACTCATTACGGAGCTCTGTTGCAATATTAGTTGCTGTATATGTAT 1080
Db   1128 ATGTGTTGACTGGACTCATTACGGAGCTCTGTTGCAATATTAGTTGCTGTATATGTAT 1187

Qy   1081 CGGATTTCTTCAAGAAAGAACTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA 1140
Db   1188 CGGATTTCTTCAAGAAAGAACTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA 1247

Qy   1141 CTCTGCATGAACACCAACCACTGGGAATCACTATCCGAGCAATCACAGCCTTGAAGG 1200
Db   1248 CTCTGCATGAACACCAACCACTGGGAATCACTATCCGAGCAATCACAGCCTTGAAGG 1307

Qy   1201 CAGCAGGGTGCCAGGTGAAGCTGGCCTGTTTTCTAAAGGAAATGATTGCCACAGGCA 1260
Db   1308 CAGCAGGGTGCCAGGTGAAGCTGGCCTGTTTTCTAAAGGAAATGATTGCCACAGGCA 1367

Qy   1261 AGAGGATGCATCTTTCTTCTGCTGCTACAGCCTTTAAAGACTTCTGCTGCTGATGCT 1320
Db   1368 AGAGGATGCATCTTTCTTCTGCTGCTACAGCCTTTAAAGACTTCTGCTGCTGATGCT 1427

Qy   1321 TCTTGGATGCACACTTTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCT 1380
Db   1428 TCTTGGATGCACACTTTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCT 1487

Qy   1381 CTAAACTCATTAATAAAACTCCAAAGCCTTCCACCAAAACAGTGCCCCACCTGTATACATT 1440
Db   1488 CTAAACTCATTAATAAAACTCCAAAGCCTTCCACCAAAACAGTGCCCCACCTGTATACATT 1547

Qy   1441 TTTATTAAAAAATGTAATGCTTATGTATATAAACATGTATGTAATATGCTTTCTATGAATG 1500
Db   1548 TTTATTAAAAAATGTAATGCTTATGTATATAAACATGTATGTAATATGCTTTCTATGAATG 1607

Qy   1501 ATGTTTGATTTAAATATAATACATATTAAATGATGGGAGAACCAAAAAA 1557
Db   1608 ATGTTTGATTTAAATATAATACATATTAAATGATGGGAGAACCAAAAAAATAATA 1664
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RESULT 2
US-10-764-425-61
; Sequence 61, Application US/10764425
; Publication No. US20040146921A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; APPLICANT: Taylor, Ian
; TITLE OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF USE
; FILE REFERENCE: 5151
; CURRENT APPLICATION NUMBER: US/10/764,425
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: 60/442,582
; PRIOR FILING DATE: 2003-01-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 61
; LENGTH: 1566
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-764-425-61
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Query Match 91.3%; Score 1426.8; DB 24; Length 1566;

Best Local Similarity 94.9%; Pred. No. 0;									
Matches 1486; Conservative 0; Mismatches 77; Indels 3; Gaps 1;									
QY	1	CCTGTGGAGAGAGCGCGGATCCGGACCGGGTAGCAACCGGGGAGCGCGCTGCGCGCT	60						
Db	1	CCTGTGGAGAGAGCGCGGATCCGGACCGGGTAGCAACCGGGGAGCGCGCTGCGCGCT	60						
QY	61	GAGGAGGTCTGAGGCTACAGAGCTGCGCGGTGGCACACAGCGCCTCGGCACTAAC	120						
Db	61	GAGGAGGTCTGAGGCTACAGAGCTGCGCGGTGGCACACAGCGCCTCGGCACTAAC	120						
QY	121	GAGTGTTCGGGGGCTGTGAGGGAGGGCCCGGGGCGCCATTGCTGGCGTGGAGCGC	180						
Db	121	GAGTGTTCGGGGGCTGTGAGGGAGGGCCCGGGGCGCCATTGCTGGCGTGGAGCGC	180						
QY	181	CGCCCGGTCTAGCCCCCGCTCGGCTGCTCTCCTCCGCTGGGAGGGCGGTATCTC	240						
Db	181	CGCCCGGTCTAGCCCCCGCTCGGCTGCTCTCCTCCGCTGGGAGGGCGGTATCTC	240						
QY	241	GGGGCGGTGCGCAGCCCCCGCGGGCTCGATAATCAAGGGCTCGGCCGCTCGTCCGCA	300						
Db	241	GGGGCGGTGCGCAGCCCCCGCGGGCTCGATAATCAAGGGCTCGGCCGCTCGTCCGCA	300						
QY	301	CCTCATTCATCGCCCCCTGCGGGCAGCCCGGGCAGACCATGTTTGACAAGACGCGC	360						
Db	301	CCTCATTCATCGCCCCCTGCGGGCAGCCCGGGCAGACCATGTTTGACAAGACGCGC	360						
QY	361	TGCCGTACGTGGCCCCCTCGATGTGCTCTGCGTGTGCTGGCTGCTGCTGCTGCTG	420						
Db	361	TGCCGTACGTGGCCCCCTCGATGTGCTCTGCGTGTGCTGGCTGCTGCTGCTGCTG	420						
QY	421	TTACTTCAAGGCATA--CCCCCTTCAACAGGAGGATTCGTGAATGATGATCCATCA	477						
Db	421	TAAATTTGGGCAAAATATATCCATTTCAAGAGGCTTTTCTGTAAAGACAACAGCATCA	480						
QY	478	AGTACCCCTTACAAAGAAGACACCATACCTTATGCGTTATAGGTGGAATATCATTCAT	537						
Db	481	ACTATCCGTACCATGACAGTACCGCGCATCCACTGCTCCTCATCTAGTGGGGTTGGCT	540						
QY	538	TCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGCTGTTACTGTAACTTTTGCACT	597						
Db	541	TGCCCGTTTCTCTATTATTCTTGGAGAAACCCCTGCTGTTACTGTAACTTTTGCACT	600						
QY	598	CAAAATTCCTTTATCAGGAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTTTT	657						
Db	601	CAAAATTCCTTTATCAGTAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTTTT	660						
QY	658	TATTTGGTCAGCTGCTAGTCAGTCCCTGACTGACATTGGCAAGTATTCAATAGGCAGAC	717						
Db	661	TATTTGGTCAGCTGCTAGTCAGTCCCTGACTGACATTGGCAAGTATTCAATAGGCAGAC	720						
QY	718	TGCGGCCTCACTTCTTGGATGTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATG	777						
Db	721	TGCGGCCTCACTTCTTGGATGTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATG	780						
QY	778	GTTACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGGCAGTTGT	837						
Db	781	GTTACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGGCAGTTGT	840						
QY	838	CCTTCTATTGAGGCCACTCTTCGTTTTCATGTACTGCTGCTGTTTGTGGCACTTTATC	897						
Db	841	CCTTCTATTGAGGCCACTCTTCGTTTTCATGTACTGCTGCTGTTTGTGGCACTTTATC	900						
QY	898	TTCAAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTC	957						
Db	901	TTCAAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTC	960						
QY	958	TTGTTGCCGTATCCATTTATGTTGGCCCTTCTCGAGTTTCTGATTATAAACACCACCTGA	1017						
Db	961	TTGTTGCCGTATCCATTTATGTTGGCCCTTCTCGAGTTTCTGATTATAAACACCACCTGA	1020						
QY	1018	CGCATGTGTGACTGGACTCATTCAGGAGCTCTGGTTGCAATATTAGTTGCTGTATATG	1077						

Db	1021	GCGATGTGTTGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATG	1080
QY	1078	TATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCAT	1137
Db	1081	TATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCAT	1140
QY	1138	CAACTCTGCATGAAACACCAACAACTGGGAATCACTATCCGAGCAATCACCGCCTTGAA	1197
Db	1141	CAACTCTGCATGAAACACCAACAACTGGGAATCACTATCCGAGCAATCACCGCCTTGAA	1200
QY	1198	AGGCAGCAGGTCGCCAGGTGAAGCTGGCTGTTTCTTAAAGAAATGATTGCCACAAG	1257
Db	1201	AGGCAGCAGGTCGCCAGGTGAAGCTGGCTGTTTCTTAAAGAAATGATTGCCACAAG	1260
QY	1258	GCAAGAGGATGCATCTTCTTCTCTGCTGCTGTAAGCCCTTTTAAAGACTTCTGCTGTAT	1317
Db	1261	GCAAGAGGATGCATCTTCTTCTCTGCTGCTGTAAGCCCTTTTAAAGACTTCTGCTGTAT	1320
QY	1318	GCCTCTTGGATGCACACTTTTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATTAATA	1377
Db	1321	GCCTCTTGGATGCACACTTTTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATTAATA	1380
QY	1378	GCTCTAACTCATTTAAATAAATCTCAAGCCTTCCACCAAAACAGTCCCACTGTATAC	1437
Db	1381	GCTCTAACTCATTTAAATAAATCTCAAGCCTTCCACCAAAACAGTCCCACTGTATAC	1440
QY	1438	ATTTTATTTAAATAAATGTAATGCTTATGTATATAACATGTAATATGCTTTCTATGA	1497
Db	1441	ATTTTATTTAAATAAATGTAATGCTTATGTATATAACATGTAATATGCTTTCTATGA	1500
QY	1498	ATGATGTTTGATTTAAATAAATACATATTAAATGTATGGGAGAACCAAAAAA	1557
Db	1501	ATGATGTTTGATTTAAATAAATACATATTAAATGTATGGGAGAACCAAAAAA	1560
QY	1558	AAAAA 1563	
Db	1561	AAAAA 1566	

RESULT 3

US-10-287-226-347
; Sequence 347, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khramtsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malvankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigaru, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,

```
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 347
; LENGTH: 1388
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (357)..(1019)
US-10-287-226-347

Query Match      77.0%; Score 1204; DB 19; Length 1388;
Best Local Similarity 89.4%; Pred. No. 7e-306;
Matches 1372; Conservative 0; Mismatches 10; Indels 152; Gaps 1;

Qy 29 CGGGGTAGCAACCGGGGAGGCGCGTGC CGGCTGAGGAGGTCTCTGAGGCTACAGAGCTGCC 88
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Db 7 CGTCGACGAACCGGGGAGGCGCGTGC CGGCTGAGGAGGTCTCTGAGGCTACAGAGCTGCC 66

Qy 89 GCGGCTGGCACACGAGCGCTCGGCACCTAAACCGAGTGTTCGCGGGGGTGTGAGGGGAGG 148
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 67 GCGGCTGGCACACGAGCGCTCGGCACCTAAACCGAGTGTTCGCGGGGGTGTGAGGGGAGG 126

Qy 149 GCCCGGGGCGCCATTGCTGGCGGTGGGAGCGCGCCCGCGTCTCAGCCCGCCCTCGGCTGC 208
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 127 GCCCGGGGCGCCATTGCTGGCGGTGGGAGCGCGCCCGCGTCTCAGCCCGCCCTCGGCTGC 186

Qy 209 TCTCCTCTCGGCTGGAGGGGCGGTATCTCGGGGCGGTGCGCCAGCCCGCGCGCGGCT 268
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 187 TCTCCTCTCGGCTGGAGGGGCGGTAGCTCGGGGCGGTGCGCCAGCCCGCGCGCGGCT 246

Qy 269 CGATAATCAAGGGCCTCGGCGGTCTGTCGCCACCTCATTCCTATCGCCCTTGC CGGCGAGC 328
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 247 CGAGAAATCAAGGGCCTCGGCGCGCGTCCCGCAGCTCAGTCCATCGCCCTTGC CGGCGAGC 306

Qy 329 CCGGGCAGAGACCATGTTTGAACAAGACGCGGCTGCCGTACGTGGCCCTCGATGTGCTCG 388
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 307 CCGGGCAGAGACCATGTTTGAACAAGACGCGGCTGCCGTACGTGGCCCTCGATGTGCTCG 366

Qy 389 CGTGTGCTGGCTGGATTGCCTTTTGGCAATTCTTACTTCAAGGCATACCCCTTCCACAG 448
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||||| ||| |||
367 CGTGTGCTGG----- 377

Qy 449 AGGAGTATTCTGTAATGATGAGTCCATCAAGTACCCTTACAAAGAAGACACCATACCTTA 508

Db 378 ----- 377

Qy 509 TGC GTTATTAGGTGGAATAATCATTCATTCCATTAGTATTATTTATTATTCTTTGGAGAAAC 568
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
378 -----ATTATTCTTTGGAGAAAC 394

Qy 569 CCTGTCTGTTTACTGTAAACCTTTTGCACCTCAAAATTCCTTTATCAGGAATAACTACATAGC 628
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
395 CCTGTCTGTTTACTGTAAACCTTTTGCACCTCAAAATTCCTTTATCAGGAATAACTACATAGC 454

Qy 629 CACTATTACAAAGCCATTGGAACTTTTATTTGGTGACGTGCTAGTCCCTGAC 688
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455 CACTATTACAAAGCCATTGGAACTTTTATTTGGTGACGTGCTAGTCCCTGAC 514

Qy 689 TGACATTGCCAAGTATTCAATAGGCAGACTGCGGCTCACTTCTTTGGATGTTTGTGATCC 748
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515 TGACATTGCCAAGTATTCAATAGGCAGACTGCGGCTCACTTCTTTGGATGTTTGTGATCC 574

Qy 749 AGATTGGTCAAAAATCAACTGCAGCGATGGTTACATGAATACTACATATGTCGAGGAA 808
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575 AGATTGGTCAAAAATCAACTGCAGCGATGGTTACATGAATACTACATATGTCGAGGAA 634

Qy 809 TGCAGAAAGAGTTAAGGAAGGCGAGTTGTCTCTTATTCAGGCCACTCTTCGTTTTCCAT 868
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
635 TGCAGAAAGAGTTAAGGAAGGCGAGTTGTCTCTTATTCAGGCCACTCTTCGTTTTCCAT 694

Qy 869 GTACTGCATGCTGTTTGTGGCACCTTTATCTTCAAGCAGGATGAAGGGAGACTTGGGCAAG 928
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
695 GTACTGCATGCTGTTTGTGGCACCTTTATCTTCAAGCAGGATGAAGGGAGACTTGGGCAAG 754

Qy 929 ACTCTTACGCCCCACACTGCAATTTGGTCTTGTGGCGTATCCATTTATGTGGGCTTTTC 988
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755 ACTCTTACGCCCCACACTGCAATTTGGTCTTGTGGCGTATCCATTTATGTGGGCTTTTC 814

Qy 989 TCGAGTTTCTGATTATAAAACACCACTGGAGCGATGTTGACTGGACTCATTCAGGGAGC 1048
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
815 TCGAGTTTCTGATTATAAAACACCACTGGAGCGATGTTGACTGGACTCATTCAGGGAGC 874

Qy 1049 TCTGTTGCAATATTAGTTGCTGTATATGTATCGGATTTCTTCAAGAAAGAACTTCTTT 1108
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
875 TCTGTTGCAATATTAGTTGCTGTATATGTATCGGATTTCTTCAAGAAAGAACTTCTTT 934

Qy 1109 TAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCTGCATGAAACACCAACCACTGGGAA 1168
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
935 TAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCTGCATGAAACACCAACCACTGGGAA 994

Qy 1169 TCACATATCCGAGCAATCACAGCCTTGAAAGGCGAGAGGTTGCCAGGTGAAGCTGGCCT 1228
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
995 TCACATATCCGAGCAATCACAGCCTTGAAAGGCGAGAGGTTGCCAGGTGAAGCTGGCCT 1054

Qy 1229 GTTTTCTAAAGGAAATGATTGCCCAAGGCAAGAGGATGCATCTTTTCTTCTGTTGTAC 1288
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1055 GTTTTCTAAAGGAAATGATTGCCCAAGGCAAGAGGATGCATCTTTTCTTCTGTTGTAC 1114

Qy 1289 AAGCCTTTAAAGACTTCTGCTGTATATGCCCTTCTTGGATGCACACTTTGTGTACATA 1348
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1115 AAGCCTTTAAAGACTTCTGCTGTATATGCCCTTCTTGGATGCACACTTTGTGTACATA 1174

Qy 1349 GTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAACTCATTAATAAAACTCCAAGCCT 1408
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1175 GTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAACTCATTAATAAAACTCCAAGCCT 1234

Qy 1409 TCCACCAAAACAGTGCCCCACCTGTATACATTTTATTAAAAAATGTAATGCTTATGTA 1468
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1235 TCCACCAAAACAGTGCCCCACCTGTATACATTTTATTAAAAAATGTAATGCTTATGTA 1294

Qy 1469 TAAACATGTATGTAATATGCTTCTCTATGAATGATGTTTGAATTAATAATACATATTA 1528
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

D _b	1295	TAAACATGATGTAAATATGCTTTCTATGAATGATGTTTGATTAATAATACATATTA	1354
Q _y	1529	AAATGTATGGGAGAACCAAAAAAAAAAAAAAAAA	1562
D _b	1355	AAATGTATGGGAGAACCAAAAAAAAAAAAAAAAA	1388

RESULT 4

US-10-647-426-21
; Sequence 21, Application US/10647426
; Publication No. US20040110197A1
; GENERAL INFORMATION:
; APPLICANT: Skinner, Michael K.
; APPLICANT: Patton, Jodi L.
; TITLE OF INVENTION: A METHOD OF DETERMINING TUMOR CHARACTERISTICS BY
; TITLE OF INVENTION: DETERMINING ABNORMAL COPY NUMBER OR EXPRESSION LEVEL OF
; TITLE OF INVENTION: LIPID-ASSOCIATED GENES
; FILE REFERENCE: PATRICK EAGLEMAN: EMBOL-X 252/124
; CURRENT APPLICATION NUMBER: US/10/647,426
; CURRENT FILING DATE: 2003-08-26
; PRIOR APPLICATION NUMBER: US/09/676,052
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 1043
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1043)
; OTHER INFORMATION: The sequence of the cDNA coding for Phosphatidic
; OTHER INFORMATION: Acid Phosphatase type 2a
US-10-647-426-21

Query Match	63.7%	Score 995;	DB 20;	Length 1043;
Best Local Similarity	98.1%	Pred. No. 6.5e-251;		
Matches 1023; Conservative	0;	Mismatches 5;	Indels 15;	Gaps 1;

256	CCCGCCCGGGCTCGATAATCAAGGGCCCTCGGCGCTCGTCCGCGACCTCATTCATCGCC	315
1	CCCGCCCGGGCTCGAGAAATCAAGGGCCCTCGGCGCCCGTCCGCGAGCTCAGTCCATCGCC	60
316	CTTCCCGGGCAGCCCGGGCAGAGACCATGTTTGAACAAGACGCGGCTGCCGTACGTGGCC	375
61	CTTCCCGGGCAGCCCGGGCAGAGACCATGTTTGAACAAGACGCGGCTGCCGTACGTGGCC	120
376	TCGATGTGCTCTGCGTGTGCTGGCTGGATTGCTTTTGCAAT-----TC	420
121	TCGATGTGCTCTGCGTGTGCTGGCTGGATTGCTTTTGCAATTTTACTTCAAGGCATA	180
421	TTACTTCAAGGCATACCCCTTCCAAACGAGGAGTATTCTGTAATGATGAGTCCATCAAGT	480
181	TTACTTCAAGGCATACCCCTTCCAAACGAGGAGTATTCTGTAATGATGAGTCCATCAAGT	240
481	ACCTTACAAAAGAAGACACCATACCTTATGCGTTATTAGTGGAAATAATCATTCATTCA	540
241	ACCTTACAAAAGAAGACACCATACCTTATGCGTTATTAGTGGAAATAATCATTCATTCA	300
541	GTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAACTTTTGCACTCAA	600
301	GTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAACTTTTGCACTCAA	360
601	ATTCTTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAACCTTTTAT	660
361	ATTCTTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAACCTTTTAT	420
661	TTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGTATTCAATAGGCAGACTGC	720
421	TTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGTATTCAATAGGCAGACTGC	480
721	GGCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTT	780

; TYPE: DNA									
; ORGANISM: Homo sapien									
US-10-643-795A-57									
Query Match 63.7%; Score 995; DB 21; Length 1043;									
Best Local Similarity 98.1%; Pred. No. 6.5e-251;									
Matches 1023; Conservative 0; Mismatches 5; Indels 15; Gaps 1;									
Qy	256	CCCCGCCCGGGCTCGATAATCAAGGGCTCGGCCGTCGTCGCCGACCTCATTCATCCATCGCC	315						
Db	1	CCCCGCCCGGGCTCGAGAATCAAGGGCTCGGCCGTCGCCGACCTCATTCATCCATCGCC	60						
Qy	316	CTTGCCGGCAGCCCGGCAGAGACCAATGTTTGACAAGCGGGCTGCGGTACGTGGGCC	375						
Db	61	CTTGCCGGCAGCCCGGCAGAGACCAATGTTTGACAAGCGGGCTGCGGTACGTGGGCC	120						
Qy	376	TCGATGTGCTCTGCGTGTGCTGGCTGGATGCTTTTGCAAT	420						
Db	121	TCGATGTGCTCTGCGTGTGCTGGATGCTTTTGCAAT	180						
Qy	421	TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCGTAAATGATGAGTCCATCAAGT	480						
Db	181	TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCGTAAATGATGAGTCCATCAAGT	240						
Qy	481	ACCCTTCAAAGAAGACACCATACCTTATGCGTTATAGTGGTAATATCATTCATTC	540						
Db	241	ACCCTTCAAAGAAGACACCATACCTTATGCGTTATAGTGGTAATATCATTCATTC	300						
Qy	541	GTATTATCGTTATTCTTGGAGAAACCTGCTGTTTACTGTAACTTTGCACTCAA	600						
Db	301	GTATTATCGTTATTCTTGGAGAAACCTGCTGTTTACTGTAACTTTGCACTCAA	360						
Qy	601	ATTCTTTTATCAGGAATACTACATAGCCACTATTACAAAGCCATTGGAACCTTTTAT	660						
Db	361	ATTCTTTTATCAGGAATACTACATAGCCACTATTACAAAGCCATTGGAACCTTTTAT	420						
Qy	661	TTGGTGACGTGCTAGTCACTCCCTGACTGACATTGCCAAGTATTCATAGGCAGACTGC	720						
Db	421	TTGGTGACGTGCTAGTCACTCCCTGACTGACATTGCCAAGTATTCATAGGCAGACTGC	480						
Qy	721	GGCCTCACTTCTTGGATGTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTT	780						
Db	481	GGCCTCACTTCTTGGATGTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTT	540						
Qy	781	ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGCAGGTTGTCTT	840						
Db	541	ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGCAGGTTGTCTT	600						
Qy	841	TCTATTACGCCCACTCTTCGTTTCCATGTACTGCATGCTGTTTGTGGCACTTTATCTTC	900						
Db	601	TCTATTACGCCCACTCTTCGTTTCCATGTACTGCATGCTGTTTGTGGCACTTTATCTTC	660						
Qy	901	AAGCCAGGATGAAGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG	960						
Db	661	AAGCCAGGATGAAGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG	720						
Qy	961	TTGCCGTATCCATTTATGTGGGCCCTTCTCGAGTTTCTGATTATTAACACCACTGGAGCG	1020						
Db	721	TTGCCGTATCCATTTATGTGGGCCCTTCTCGAGTTTCTGATTATTAACACCACTGGAGCG	780						
Qy	1021	ATGTGTTGACTGGACTCAATTACGGGAGCTCTGGTTGCAATATTAGTTGCTGATATGAT	1080						
Db	781	ATGTGTTGACTGGACTCAATTACGGGAGCTCTGGTTGCAATATTAGTTGCTGATATGAT	840						
Qy	1081	CGGATTTCTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA	1140						
Db	841	CGGATTTCTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA	900						
Qy	1141	CTCTGCATGAACACCAACAACTGGGAATCACTATCCGAGCAATCACCGCCTTGAAAGG	1200						
Db	901	CTCTGCATGAACACCAACAACTGGGAATCACTATCCGAGCAATCACCGCCTTGAAAGG	960						
Qy	1201	CAGCAGGGTGGCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAATAATGATTGCCACAAGGCA	1260						

Db	961	CAGCAGGGTGCCAGGTGAAGCTGGCCTGTTTTCTAAAGGAAATGATTGCCACAAGGCA	1020						
Qy	1261	AGAGGATGCATCTTTCTTCCTGG	1283						
Db	1021	AGAGGATGCATCTTTCTTCCTGG	1043						
RESULT 6									
US-10-948-518-57									
; Sequence 57, Application US/10948518									
; Publication No. US20050064492A1									
; GENERAL INFORMATION:									
; APPLICANT: FREDERIC J. DESAUVAGE									
; APPLICANT: GRETCHEN FRANTZ									
; APPLICANT: KENNETH J. HILLAN									
; APPLICANT: PAUL POLAKIS									
; APPLICANT: ANDREW POLSON									
; APPLICANT: VICTORIA SMITH									
; APPLICANT: SUSAN D. SPENCER									
; APPLICANT: THOMAS D. WU									
; APPLICANT: ZEMIN ZHANG									
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND									
; TITLE OF INVENTION: TREATMENT OF TUMOR									
; FILE REFERENCE: P5026R1-US									
; CURRENT APPLICATION NUMBER: US/10/948,518									
; CURRENT FILING DATE: 2004-09-22									
; PRIOR APPLICATION NUMBER: US/10/643,795									
; PRIOR FILING DATE: 2003-08-19									
; PRIOR APPLICATION NUMBER: US 60/404,809									
; PRIOR FILING DATE: 2002-08-19									
; PRIOR APPLICATION NUMBER: US 60/405,645									
; PRIOR FILING DATE: 2002-08-21									
; PRIOR APPLICATION NUMBER: US 60/413,192									
; PRIOR FILING DATE: 2002-09-23									
; PRIOR APPLICATION NUMBER: US 60/419,008									
; PRIOR FILING DATE: 2002-10-15									
; PRIOR APPLICATION NUMBER: US 60/426,847									
; PRIOR FILING DATE: 2002-11-15									
; PRIOR APPLICATION NUMBER: US 60/484,959									
; PRIOR FILING DATE: 2003-07-02									
; NUMBER OF SEQ ID NOS: 158									
; SEQ ID NO 57									
; LENGTH: 1043									
; TYPE: DNA									
; ORGANISM: Homo sapien									
US-10-948-518-57									
Query Match 63.7%; Score 995; DB 22; Length 1043;									
Best Local Similarity 98.1%; Pred. No. 6.5e-251;									
Matches 1023; Conservative 0; Mismatches 5; Indels 15; Gaps 1;									
Qy	256	CCCCGCCCGGGCTCGATAATCAAGGGCTCGGCCGTCGTCGCCGACCTCATTCATCGCC	315						
Db	1	CCCCGCCCGGGCTCGAGAATCAAGGGCTCGGCCGTCGTCGCCGACCTCATTCATCGCC	60						
Qy	316	CTTGCCGGCAGCCCGGCAGAGACCAATGTTTGACAAGACGGGCTGCCGTACGTGGCCC	375						
Db	61	CTTGCCGGCAGCCCGGCAGAGACCAATGTTTGACAAGACGGGCTGCCGTACGTGGCCC	120						
Qy	376	TCGATGTGCTCTGCGTGTGCTGGTGGATTGCCCTTTTGCAAT	420						
Db	121	TCGATGTGCTCTGCGTGTGCTGGTGGATTGCCCTTTTGCAAT	180						
Qy	421	TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCGTAAATGATGAGTCCATCAAGT	480						
Db	181	TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCGTAAATGATGAGTCCATCAAGT	240						
Qy	481	ACCCTTCAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTCATTCA	540						
Db	241	ACCCTTCAAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTCATTCA	300						
Qy	541	GTATTATCGTTATTATTCCTGGAGAAACCCCTGTCTGTTTACTGTAACTTTTGCACTCAA	600						

Db 1021 AGAGGATGCATCTTTCTTCCTGG 1043

RESULT 8

US-10-287-226-345

; Sequence 345, Application US/10287226
; Publication No. US20040086875A1

GENERAL INFORMATION:

; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsbrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khramtsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigaru, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/334,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 345

; LENGTH: 1096
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (344)..(1006)
US-10-287-226-345

Query Match 59.2%; Score 926; DB 19; Length 1096;

Best Local Similarity 87.4%; Pred. No. 9.9e-233;

Matches 1091; Conservative 0; Mismatches 5; Indels 152; Gaps 1;

QY	36	GCAACCGGGCAGGCGGTGCCGGCTGAGGAGGTCTGAGGCTACAGAGCTGCCCGGCTG	95
Db	1	GCAACCGGGCAGGCGGTGCCGGCTGAGGAGGTCTGAGGCTACAGAGCTGCCCGGCTG	60
QY	96	GCACACGAGCGCCTCGGCACTAACCGAGTGTTCGGGGGGGTGTGAGGGGAGGCCCGG	155
Db	61	GCACACGAGCGCCTCGGCACTAACCGAGTGTTCGGGGGGGTGTGAGGGGAGGCCCGG	120
QY	156	GCGCCATTGCTGGCGGTGGGAGCGCCCGCGGTCTCAGCCCGCCTCGGCTGCTCTCCTC	215
Db	121	GCGCCATTGCTGGCGGTGGGAGCGCCCGCGGTCTCAGCCCGCCTCGGCTGCTCTCCTC	180
QY	216	CTCCGGCTGGGAGGGCCGTATCTCGGGGGCCGTCCGCCAGCCCCGGGCTCGATAAT	275
Db	181	CTCCGGCTGGGAGGGCCGTAGCTCGGGGGCCGTCCGCCAGCCCCGGGCTCGAGAAT	240
QY	276	CAAGGGCCTCGGCCGTCTCCCGACCTCATTCATCGCCCTTGCCGGGCAGCCCCGGCA	335
Db	241	CAAGGGCCTCGGCCGTCTCCCGACCTCAGTCATCGCCCTTGCCGGGCAGCCCCGGCA	300
QY	336	GAGACCATGTTTGACAAAGACGCGCTGCCGTACGTGGGCCCTCGATGTGCTCTCGGTG	395
Db	301	GAGACCATGTTTGACAAAGACGCGCTGCCGTACGTGGGCCCTCGATGTGCTCTCGGTG	360
QY	396	CTGCTGGATTGCGCTTTTGCAATTCTTACTTCAAGGCATACCCCTTCCAACGAGGAGTA	455
Db	361	CTGG-----	364
QY	456	TTCTGTAATGATGAGTCCATCAAGTACCCTTACAAAGAAGACACCATACCTTATGCGTTA	515
Db	365	-----	364
QY	516	TTAGGTGAATAATCATTCATTCCAGTATTATCGTTATTATTCCTGGAGAAACCCCTGCT	575
Db	365	-----ATTATCTTGGAGAAACCCCTGCT	388
QY	576	GTTTACTGTAACCTTTTGCACTCAAAATTCCTTTATCAGGAATAACTACATAGCCACTATT	635
Db	389	GTTTACTGTAACCTTTTGCACTCAAAATTCCTTTATCAGGAATAACTACATAGCCACTATT	448
QY	636	TACAAAGCCATTGGAAACCTTTTATTGGTGCAGCTAGTCAGTCCCTGACTGACATT	695
Db	449	TACAAAGCCATTGGAAACCTTTTATTGGTGCAGCTAGTCAGTCCCTGACTGACATT	508
QY	696	GCCAAAGTATTCAATAGGCAGACTGCGGCCCTCACCTTTGGATGTTTGTGATCCAGATTGG	755
Db	509	GCCAAAGTATTCAATAGGCAGACTGCGGCCCTCACCTTTGGATGTTTGTGATCCAGATTGG	568
QY	756	TCAAAAATCAACTGCAGCGATGGTTACATTGAATACTACATATGTCAGGGGAATGCAGAA	815
Db	569	TCAAAAATCAACTGCAGCGATGGTTACATTGAATACTACATATGTCAGGGGAATGCAGAA	628
QY	816	AGAGTTAAGGAAGGAGGTTGTCCTTCTATTTCAGGCCACTCTTCGTTTCCATGTACTGC	875
Db	629	AGAGTTAAGGAAGGAGGTTGTCCTTCTATTTCAGGCCACTCTTCGTTTCCATGTACTGC	688
QY	876	ATGCTGTTTGTGGCACTTTATCTTCAAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTA	935
Db	689	ATGCTGTTTGTGGCACTTTATCTTCAAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTA	748
QY	936	CGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTATGTGGGCCCTTTCTCGAGTT	995

Db 749 CGCCCCACACTGCAATTTGGTCTTTGGCGGTATCCATTTATATGTTGGGCTTTCTCGAGTT 808
QY 996 TCTGATTATAAACACCACCTGGAGCGGATGTGTGACTGGACTCATTCAGGAGCTCTGGTT 1055
Db 809 TCTGATTATAAACACCACCTGGAGCGGATGTGTGACTGGACTCATTCAGGAGCTCTGGTT 868
QY 1056 GCAATATTAGTGTCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTAAAGAA 1115
Db 869 GCAATATTAGTGTCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTAAAGAA 928
QY 1116 AGAAAGAGGAGGACTCTCATACAACTCTGCATGAAACACCAACAACTGGGAATCACTAT 1175
Db 929 AGAAAGAGGAGGACTCTCATACAACTCTGCATGAAACACCAACAACTGGGAATCACTAT 988
QY 1176 CCGAGCAATCACCAGCCTTGAAGGCGAGCGGTGCCAGGTGAAGCTGGCCTGTTTTCT 1235
Db 989 CCGAGCAATCACCAGCCTTGAAGGCGAGCGGTGCCAGGTGAAGCTGGCCTGTTTTCT 1048
QY 1236 AAAGGAAATGATTTGCCACAAGGCAAGGAGGATGCATCTTTCTTCCTGG 1283
Db 1049 AAAGGAAATGATTTGCCACAAGGCAAGGAGGATGCATCTTTCTTCCTGG 1096

RESULT 9

US-10-191-803-154
; Sequence 154, Application US/10191803
; Publication No. US20040014040A1
; GENERAL INFORMATION:
; APPLICANT: MENDRICK, Donna
; APPLICANT: PORTER, Mark
; APPLICANT: JOHNSON, Kory
; APPLICANT: HIGGS, Brandon
; APPLICANT: CASTLE, Arthur
; APPLICANT: ELASHOFF, Michael
; TITLE OF INVENTION: Cardiotoxin Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5090US
; CURRENT APPLICATION NUMBER: US/10/191,803
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/303,819
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/305,623
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/369,351
; PRIOR FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: US 60/377,611
; PRIOR FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 1140
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 154
; LENGTH: 871
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20040014040A1 NM_022538
US-10-191-803-154

Query Match 40.6%; Score 635; DB 18; Length 871;
Best Local Similarity 84.9%; Pred. No. 3.7e-156;
Matches 736; Conservative 0; Mismatches 125; Indels 6; Gaps 2;
QY 334 CAGAGACCATGTTTGACAGACGCGGCTGCGTACGTGGCGCTCGATGTGCTCTGCGTGT 393
Db 5 CTGTGACCATGTTTCGACAGCGCGGCTGCGGTACGTGGTCTCGATGTGATTTGCGTGT 64
QY 394 TGCTGGCTGATGTCCTTTTGCATTTCTTACTTCAAGGCATACCCCTTCCAAACGAGGAG 453
Db 65 TGCTGGCTGATGTCCTTTTATAATTTCTTACTTCAAGGCATACCCCTTCCAAACGAGGAG 124
QY 454 TATTCTGTAATGATGATGCCATCAAGTACCTTACAAAGAAAGACACCACTTATGCGT 513
Db 125 TGTCTGTACTGATGATGCCATCAAGTACCTTACAGAGAAGACACCACTTATGCGT 184

QY 514 TATTAGGTGGAATAATCATTCATTCAGTATTATCGTTATTATTTCTTGGAGAAACCCCTGT 573
Db 185 TATTAGGTGGAATAGTCAATTCATTCATTCGTTATTATCGTTATTATTCGTTAGAAACTCTGT 244
QY 574 CTGTTTACTGTAAACCTTTTGCACTCAAAATTCCTTTTATCAGGAATAACTACATAGCCACTA 633
Db 245 CTGTTTACTTTAATGTCTTGCAATTCAAATTCCTTTGTGCACAATCACTATATAGCCACCA 304
QY 634 TTTACAAAGCCATTGGRAACCTTTTATTTGGTGCAGCTGCTAGTCACTCCCTGACTGACA 693
Db 305 TTTACAAAGCCGTTGGAGCCTTTTGTGTTGGAGCCTCAGCCAGTCAGTCCCTGACTGACA 364
QY 694 TTGCCAAGTATTCAATAGGCAGACTGCGGCCTCACTTCTTGGATGTTTGTGATCCAGATT 753
Db 365 TTGCTAAGTACTCTATAGGCAGACTGCGGCCTCACTTCTTGGCTGTCTGTAAACCCAGACT 424
QY 754 GGTCAAAATCAACTGCAGCGATGGTTTACATTTGAATACATATGTCAGGGGAATGCAG 813
Db 425 GGTCAAAATCAACTGCAGCGATGGTACATTTGAGAACTTCGTATGTCAAGGGAATGAAC 484
QY 814 AAAGAGTTAAGGAAGGCAAGGTTGTCTTCTTATTCAGGCCACTCTTCTGTTTCCATGTACT 873
Db 485 AGAAGTCAAGGAAGGCAAGGTTGTCTTCTACTCGGGGCACTCCTCATTTCTATGTACT 544
QY 874 GCATGCTGTTTGTGGCACTTTATCTTCAAGCCAGGATGAAGGGAGACTGGGCAAGACTCT 933
Db 545 GCATGCTGTTTGTGGCACTTTATCTTCAAGCCAGGATGAAGGGAGATTGGGCAAGACTCT 604
QY 934 TACGCCCCACACTGCAATTTGGTCTTGTGTCGATATCCATTTATGTGGGCTTTCTCGAG 993
Db 605 TACGACCCATGCTACAGTTTGGGCTTGTGCTTTATCCATATATGTGGGCTGTCTCGAG 664
QY 994 TTTCTGATTATAAACACCACCTGGAGCGATGTGTGACTGGACTCATTCAGGGAGCTCTGG 1053
Db 665 TTTCTGATTACAAACACCACCTGGAGCGAGTGTGTTAATTGGCCTCATTTCAAGGAGCTGTTG 724
QY 1054 TTGCAATATTAGTGTCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAAG 1113
Db 725 TGGCAATATTAGTGTGTTTGTATGTAACTGATTTCTTCAAGACCACAGAGTCTAAACAAAG 784
QY 1114 AAAGAAAGAGGAGGAGTCTCTATACAACTCTGCATGAAACACCAACTGGGAATCACT 1173
Db 785 AAAGAAAA---GAGGACTCACATACGACTCTACACGAAA---CCACCAACAGACAGAGCT 838
QY 1174 ATCCGAGCAATCACCAGCCTTGAAGG 1200
Db 839 ACGCAAGGAATCACGAGCCCTGAAGGG 865

RESULT 10

US-10-152-319A-1795
; Sequence 1795, Application US/10152319A
; Publication No. US20040072160A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Higgs, Brandon
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5089-US
; CURRENT APPLICATION NUMBER: US/10/152,319A
; CURRENT FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: US 60/292,335
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/297,523
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,925
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,810
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/303,807

QY 1224 GGCCTGTTTTCTAAAGGAAAAATGATTGCCACAGGCAAGAGGATGCATCTTTCTCTGG 1283
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Db 541 GGCCTGTTTTCTAAAGGAAAAATGATTGCCACAGGCAAGAGGATGCATCTTTCTCTGG 600
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RESULT 12
US-10-696-639-2825/c
; Sequence 2825, Application US/10696639
; Publication No. US20050037439A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corporation
; APPLICANT: Bourner, Maureen J.
; TITLE OF INVENTION: DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE
; TITLE OF INVENTION: POLYPEPTIDES ENCODED THEREBY, AND METHODS OF USING THE SAME
; FILE REFERENCE: 01040/1
; CURRENT APPLICATION NUMBER: US/10/696,639
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: 60/422,176
; PRIOR FILING DATE: 2002-10-29
; NUMBER OF SEQ ID NOS: 3114
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2825
; LENGTH: 486
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (240)..(240)
; OTHER INFORMATION: n=unknown
US-10-696-639-2825

Query Match 30.9%; Score 483.4; DB 22; Length 486;
Best Local Similarity 99.6%; Pred. No. 2.2e-116;
Matches 484; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 946 TGCAATTTGGTCTTGTGGCGTATCCATTATGTGGGCTTTCTCGAGTTTCTGATTATA 1005
| | | | |
Db 486 TGCAATTTGGTCTTGTGGCGTATCCATTATGTGGGCTTTCTCGAGTTTCTGATTATA 427
| | | | |
QY 1006 AACACCACCTGGAGCGATGTGTGACTGGACTCATTGAGGAGCTCTGGTTGCAATATTAG 1065
| | | | |
Db 426 AACACCACCTGGAGCGATGTGTGACTGGACTCATTGAGGAGCTCTGGTTGCAATATTAG 367
| | | | |
QY 1066 TTGCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTAAAGAAAGAAAGAGG 1125
| | | | |
Db 366 TTGCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTAAAGAAAGAAAGAGG 307
| | | | |
QY 1126 AGGACTCTCATACAACTCTGCATGAAACACCAACAACTGGGAATCACTATCCGAGCAATC 1185
| | | | |
Db 306 AGGACTCTCATACAACTCTGCATGAAACACCAACAACTGGGAATCACTATCCGAGCAATC 247
| | | | |
QY 1186 ACCAGCCTTGAAAGGCGAGGAGGTCAGGTCAGGTCAGGTCAGGTCAGGTCAGGTCAGGTC 1245
| | | | |
Db 246 ACCAGCCTTGAAAGGCGAGGAGGTCAGGTCAGGTCAGGTCAGGTCAGGTCAGGTCAGGTC 187
| | | | |
QY 1246 GATTGCCACAAGGCAAGAGGATGCATCTTTCTTCTGGTGATCAAGCCCTTTAAAGACTTC 1305
| | | | |
Db 186 GATTGCCACAAGGCAAGAGGATGCATCTTTCTTCTGGTGATCAAGCCCTTTAAAGACTTC 127
| | | | |
QY 1306 TGCTGCTGATATGCCCTCTTGGATGCACACTTTTGTGTACATAGTTACCTTTAACTCAGT 1365
| | | | |
Db 126 TGCTGCTGATATGCCCTCTTGGATGCACACTTTTGTGTACATAGTTACCTTTAACTCAGT 67
| | | | |
QY 1366 GGTATCTAATAGCTCTAAACTCATTAATAAACTCCAGGCTTCCACCAAAACAGTGCC 1425
| | | | |
Db 66 GGTATCTAATAGCTCTAAACTCATTAATAAACTCCAGGCTTCCACCAAAACAGTGCC 7
| | | | |
QY 1426 CCACCT 1431
| | | | |
Db 6 CCACCT 1

RESULT 13
US-10-956-157-9858/c
; Sequence 9858, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9858
; LENGTH: 1400
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-9858

Query Match 30.9%; Score 482.8; DB 22; Length 1400;
Best Local Similarity 89.3%; Pred. No. 5.9e-116;
Matches 520; Conservative 0; Mismatches 62; Indels 0; Gaps 0;
QY 967 TATCCATTTATGTGGGCTTTCTCGAGTTTCTGATTATAAACACCACTCGAGCGATGTGT 1026
| | | | |
Db 1257 TATCCTTTTGTATTATTTATCTTAGGATGCTGTTGATCACAACCTTTGTATGTAGTTTT 1198
| | | | |
QY 1027 TGACTGGACTCATTGAGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGATCGGATT 1086
| | | | |
Db 1197 AACTTGATCTAAATTTATACCATTAATAATTTTGCACTGTAGGCTGTATATGATCGGATT 1138
| | | | |
QY 1087 TCTTCAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACTCTGC 1146
| | | | |
Db 1137 TCTTCAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACTCTGC 1078
| | | | |
QY 1147 ATGAAACACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGGCGAGCAG 1206
| | | | |
Db 1077 ATGAAACACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGGCGAGCAG 1018
| | | | |
QY 1207 GGTGCCAGGTGAAGCTGGCCTGTTTTCTTAAAGGAAATGATTTGCCACAAGGCAAGAGGA 1266
| | | | |
Db 1017 GGTGCCAGGTGAAGCTGGCCTGTTTTCTTAAAGGAAATGATTTGCCACAAGGCAAGAGGA 958
| | | | |
QY 1267 TGCATCTTTCTTCTCGGTGTACAAGCCTTTAAAGACTTCTGCTGTATATGCTCTTGG 1326
| | | | |
Db 957 TGCATCTTTCTTCTCGGTGTACAAGCCTTTAAAGACTTCTGCTGTCTGCTCTTGG 898
| | | | |
QY 1327 ATGCACACTTTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC 1386
| | | | |
Db 897 ATGCACACTTTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC 838
| | | | |
QY 1387 TCATTAAAAAACTCCAAGCCTTCCACCAAAACAGTGCCCAACCTGTATACATTTTATT 1446
| | | | |
Db 837 TCATTAAAAAACTCCAAGCCTTCCACCAAAACAGTGCCCAACCTGTATACATTTTATT 778
| | | | |
QY 1447 AAAAAATGTAATGCTTTATGTATAAACATGTATGTAATATGCTTTCTATGAATGATGTT 1506
| | | | |
Db 777 AAAAAATGTAATGCTTTATGTATAAACATGTATGTAATATGCTTTCTATGAATGATGTT 718
| | | | |
QY 1507 GATTTAAATATAACATATTAAAAATGTTATGGAGAACCAA 1548
| | | | |
Db 717 GATTTAAATATAACATATTAAAAATGTTATGGAGAACCAA 676
| | | | |

RESULT 14
US-10-956-157-4623/c
; Sequence 4623, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4623
; LENGTH: 3947
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-4623

Query Match	30.9%;	Score 482.8;	DB 22;	Length 3947;
Best Local Similarity	89.3%;	Pred. No. 1.1e-115;		
Matches 520;	Conservative 0;	Mismatches 62;	Indels 0;	Gaps 0;

Qy	967	TATCCATTTATGTGGCCCTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTG	1026
Db	3804	TATCCTTTTGTATTATCTTAGGATGCTGTTGATCACAACCTTTGTATGTAGTTTTT	3745
Qy	1027	TGACTGGACTCATTCAGGAGCTCTGGTTCGAATATTAGTTGCTGTATATGATCGGATT	1086
Db	3744	AACCTGATCTAAATTATACCAATTAAATATTTGCACCTGAGGCTGTATGTATCGGATT	3685
Qy	1087	TCTTCAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCTGC	1146
Db	3684	TCTTCAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCTGC	3625
Qy	1147	ATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGGCGAGCAG	1206
Db	3624	ATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGGCGAGCAG	3565
Qy	1207	GGTGCCAGGTGAAGCTGGCTGTTTCTTAAAGGAAATGATTGCCACAAGGCAAGAGGA	1266
Db	3564	GGTGCCAGGTGAAGCTGGCTGTTTCTTAAAGGAAATGATTGCCACAAGGCAAGAGGA	3505
Qy	1267	TGCATCTTTCTTCCCTGGTGACAAAGCCTTTAAAGACTTCTGCTGCTGATGCTCTTGG	1326
Db	3504	TGCATCTTTCTTCCCTGGTGACAAAGCCTTTAAAGACTTCTGCTGCTGATGCTCTTGG	3445
Qy	1327	ATGCACACTTTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC	1386
Db	3444	ATGCACACTTTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC	3385
Qy	1387	TCATTAAAAAACTCCAAGCCTTCCACCAAAAACAGTGGCCACCTGTATACATTTTATT	1446
Db	3384	TCATTAAAAAACTCCAAGCCTTCCACCAAAAACAGTGGCCACCTGTATACATTTTATT	3325
Qy	1447	AAAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTTCTATGAATGATGTTT	1506
Db	3324	AAAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTTCTATGAATGATGTTT	3265
Qy	1507	GATTTAAATATAATACATATTAAATGTATGGGAGAACCCAAA	1548
Db	3264	GATTTAAATATAATACATATTAAATGTATGGGAGAACCCAAA	3223

RESULT 15
US-09-764-847-1965
; Sequence 1965, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009
; CURRENT APPLICATION NUMBER: US/09/764,847
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2003
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1965
; LENGTH: 26197
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-764-847-1965

Query Match	30.9%;	Score 482.8;	DB 9;	Length 26197;
Best Local Similarity	89.3%;	Pred. No. 3.4e-115;		
Matches 520;	Conservative 0;	Mismatches 62;	Indels 0;	Gaps 0;

Qy	967	TATCCATTTATGTGGCCCTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTG	1026
Db	992	TATCCTTTTGTATTATTTATCTTAGGATGCTGTTGATCAACAACCTTGTATGTAGTTTT	1051
Qy	1027	TGACTGGACTCATTCAGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGATCGGATT	1086
Db	1052	AACCTGATCTAAATTATACCAATTAAATATTTTGCACTGTAGGCTGTATATGATCGGATT	1111
Qy	1087	TCTTCAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCTGC	1146
Db	1112	TCTTCAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCTGC	1171
Qy	1147	ATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGGCGAGCAG	1206
Db	1172	ATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGGCGAGCAG	1231
Qy	1207	GGTGCCAGGTGAAGCTGGCTGTTTCTTAAAGGAAATGATTGCCACAAGGCAAGAGGA	1266
Db	1232	GGTGCCAGGTGAAGCTGGCTGTTTCTTAAAGGAAATGATTGCCACAAGGCAAGAGGA	1291
Qy	1267	TGCATCTTTCTTCCCTGGTGACAAAGCCTTTAAAGACTTCTGCTGCTGATATGCCTCTGG	1326
Db	1292	TGCATCTTTCTTCCCTGGTGACAAAGCCTTTAAAGACTTCTGCTGCTGATATGCCTCTGG	1351
Qy	1327	ATGCACACTTTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC	1386
Db	1352	ATGCACACTTTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC	1411
Qy	1387	TCATTAAAAAACTCCAAGCCTTCCACCAAAAACAGTGGCCCACTGTATACATTTTATT	1446
Db	1412	TCATTAAAAAACTCCAAGCCTTCCACCAAAAACAGTGGCCCACTGTATACATTTTATT	1471
Qy	1447	AAAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTTCTATGAATGATGTTT	1506
Db	1472	AAAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTTCTATGAATGATGTTT	1531
Qy	1507	GATTTAAATATAATACATATTAAATGTATGGGAGAACCCAAA	1548
Db	1532	GATTTAAATATAATACATATTAAATGTATGGGAGAACCCAAA	1573

Search completed: November 12, 2005, 02:54:36
Job time : 1376.09 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 11, 2005, 06:34:39 ; Search time 271.717 Seconds
(without alignments)
9430.425 Million cell updates/sec

Title: US-08-842-827-3
Perfect score: 1566
Sequence: 1 CCTGTGGGAGAGAGCGCGG.....CCAAAAA.....AAAAA 1566

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	1298.6	82.9	1315	3	US-08-992-035A-2
2	265	16.9	266	4	US-09-016-434-322
3	216.2	13.8	1303	4	US-09-566-921-117
4	151.8	9.7	231	3	US-09-439-313-456
5	151.8	9.7	231	3	US-09-352-616A-456
6	151.8	9.7	231	4	US-09-636-215-456
7	151.8	9.7	231	4	US-09-685-166A-456
8	151.8	9.7	231	4	US-09-679-426-456
9	151.8	9.7	231	4	US-09-759-143-456
10	151.8	9.7	231	4	US-09-651-236-456
11	151	9.6	151	3	US-09-439-313-316
12	151	9.6	151	3	US-09-352-616A-316
13	151	9.6	151	4	US-09-636-215-316
14	151	9.6	151	4	US-09-685-166A-316
15	151	9.6	151	4	US-09-688-489-316
16	151	9.6	151	4	US-09-679-426-316
17	151	9.6	151	4	US-09-759-143-316
18	151	9.6	151	4	US-09-651-236-316
19	151	9.6	151	4	US-09-702-705-273
20	137.2	8.8	472	4	US-09-614-124B-273
21	137.2	8.8	472	4	US-09-671-325-273
22	137.2	8.8	472	4	US-09-589-184-273
23	137.2	8.8	472	4	US-09-658-824-273
24	137.2	8.8	472	4	US-09-702-705-1590
25	137.2	8.8	472	4	US-09-736-457-1590
26	135.6	8.7	434	4	US-09-736-457-1590
27	135.6	8.7	434	4	US-09-736-457-1590

28	135.6	8.7	434	4	US-09-614-124B-1590	Sequence 1590, Ap
29	135.6	8.7	434	4	US-09-671-325-1590	Sequence 1590, Ap
30	135.6	8.7	434	4	US-09-658-824-1590	Sequence 1590, Ap
31	134.6	8.6	472	4	US-09-702-705-342	Sequence 342, App
32	134.6	8.6	472	4	US-09-736-457-342	Sequence 342, App
33	134.6	8.6	472	4	US-09-614-124B-342	Sequence 342, App
34	134.6	8.6	472	4	US-09-671-325-342	Sequence 342, App
35	134.6	8.6	472	4	US-09-589-184-342	Sequence 342, App
36	134.6	8.6	472	4	US-09-658-824-342	Sequence 342, App
37	118.4	7.6	308	2	US-08-721-488-4	Sequence 4, Appli
38	113	7.2	113	4	US-09-016-434-282	Sequence 282, App
39	102.4	6.5	217	4	US-09-016-434-286	Sequence 286, App
40	91.4	5.8	272	4	US-09-360-376-28	Sequence 28, Appl
41	59.8	3.8	1967	4	US-09-270-767-11662	Sequence 11662, A
42	58.4	3.7	253	4	US-09-016-434-301	Sequence 301, App
43	58	3.7	2406	4	US-09-976-594-119	Sequence 119, App
44	48.4	3.1	166698	4	US-09-949-016-16038	Sequence 16038, A
45	47.4	3.0	7218	1	US-08-232-463-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-08-992-035A-2
; Sequence 2, Application US/08992035A
; Patent No. 6242179
; GENERAL INFORMATION:
; APPLICANT: Shah, Purvi
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; TITLE OF INVENTION: HUMAN PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/992,035A
; FILING DATE: December 17, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0433 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1315 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BLADNOT06
; CLONE: 1719418
US-08-992-035A-2

Query Match 82.9%; Score 1298.6; DB 3; Length 1315;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1304; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 912 ATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGGCCGTA 971
Db 61 ATGAAGGGAGACTGGGCAAGANTCTTACGCCCCACACTGCAATTTGGTCTTGTGGCCGTA 120
QY 972 TCCATTTATGTGGCCCTTTCTCGAGTTTCTGATTTATAAACACCACTGGAGCGATGTGTTG 1031
Db 121 TCCATTTATGTGGCCCTTTCTCGAGTTTCTGATTTATAAACACCACTGGAGCGATGTGTTG 180
QY 1032 ACTGGACTCAATTCAGGGAGCTCTGGTTGCAATATAGTTGCTGTATATGATCGGATTTTC 1091
Db 181 ACTGGACTCAATTCAGGGAGCTCTGGTTGCAATATAGTTGCTGTATATGATCGGATTTTC 240
QY 1092 TTCAAAGAAAGAACTTCTTTTAAAGA 1117
Db 241 TTCAAAGAAAGAACTTCTTTTAAAGA 266

RESULT 3
US-09-566-921-117
; Sequence 117, Application US/09566921
; Patent No. 6682888
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.
; APPLICANT: Tingley, Debora W.
; APPLICANT: Edwards, Carla M.
; TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
; FILE REFERENCE: PA-0024 US
; CURRENT APPLICATION NUMBER: US/09/566,921
; CURRENT FILING DATE: 2000-05-05
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PERL Program
; SEQ ID NO 117
; LENGTH: 1303
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6682888 202234.2
US-09-566-921-117

Query Match 13.8%; Score 216.2; DB 4; Length 1303;
Best Local Similarity 56.6%; Pred. No. 1.5e-49;
Matches 442; Conservative 0; Mismatches 333; Indels 6; Gaps 2;
QY 352 AGACGGGTCGCGTACGTGGCCCTCGATGTGCTGTGCTGGTTCATGCGCTA 411
Db 83 AGCGGAGTGGGTCTTCGTGCTGCTCGAGTGTGCTTACTGTGCTGCCCTCCCTGCCCT 142
QY 412 TGGCTGTCTAAATTTGGGCCAAATATATCCATTTACAGAGGCTTTTCTGTAAAGACA 471
Db 143 TCGCTATCTGACGCTGG---TGAACGCCCGTACAAAGCAGGATTTTACTGCGGGGATG 199
QY 472 ACAGCATCAACTATCCGTACCATGACAGTACCGCGCATCCACTGTCCTCATCTAGTGG 531
Db 200 ACTCCATCCGGTACCCCTACCGTCCAGATACCATCACCCACGGGCTCATGGCTGGGTCA 259
QY 532 GGGTTGGCTTGGCCGTTTCTCTATTATTTGGAGAAACCCCTGTCTGTTTACTGTAAAC 591
Db 260 CCATCAGGCCACCGTCATCCTTGTCTCGGCCGGGAAGCCTACCTGTGTACACAGACC 319
QY 592 TTTTGCACCTCAAAATTCCTTTATCAGTAATAACTACATAGCCCACTATTACAAAGCCATTG 651
Db 320 GGCTCTATTCTCGCTCGGACTTC---AACAACACTACGTGGCTGCTGTATACAAGGTGCTGG 376
QY 652 GAACCTTTTATTTGGTCAGCTGCTAGTCAGTCCCTGACTGACATTTGCCCAAGTATTCAA 711
Db 377 GGACCTTCTGTTTGGGGCTGCCGTGAGCCAGTCTCTGACAGACCTGGCCCAAGTACATGA 436
QY 712 TAGGCAGACTGCGGCCTCACTTCTTGGATGTTTGTGATCCAGATTTGGTCAAAAATCAACT 771
Db 437 TTGGCGGCTGAGGCCCAACTTCTTAGCGTCTGCGACCCCGACTGGAGCCGGGTCAACT 496
QY 772 GCAGCGATGGTTACATTGAATACTACATATGTCGAGGGGAATGCAGAAAGAGTTAAGGAAG 831

Db 497 GCTCGGTCTATGTGACGTGGAGAAGGTGTGACGGGAAACCCCTGCTGATGTCACCGAGG 556
QY 832 GCAGGTGTCTCTTCTATTACAGGCCACTCTTCTGTTTCCATGTACTGCAATGCTGTTTGTGG 891
Db 557 CCAGGTGTCTTCTTCTACTCGGGACACTCTTCTTGGGATGTACTGCAATGCTGTTTGTGG 616
QY 892 CACTTTATCTTCAAGCCAGGATGAAGGAGAGACTGGGCAAGACTCTTACGCCCCACACTGC 951
Db 617 TGCTGTATGTGACGGCACGACTCTGTTGGAAGTGGGACGGCTGCTGCGACCCACAGTCC 676
QY 952 AATTTGGTCTTGTGCGGTATCCATTTATGTGGGCCCTTTCTCGAGTTTCTGATTATAAAC 1011
Db 677 AGTTCTTCTGTTGGCCTTTGCCCTCTACGTGGGTACACCCCGTGTCTGCTGCTCACTG 736
QY 1012 ACCACTGGAGCGATGTGTTGACTGGACTCATTTACGGAGCTCTGTTGCAATATTAGTTG 1071
Db 737 ACCACTGGAGCGATGTCTTGTGGCCTCTGCGGGGCACTGTTGGCTGCCCTCACTG 796
QY 1072 CTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGG 1131
Db 797 TCTGTACATCTCAGACTTCTTCAAAGCCCGACCCCCACACAGCACTGTCTGAAGGAGGAGG 856
QY 1132 A 1132
Db 857 A 857

RESULT 4
US-09-439-313-456
; Sequence 456, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 456
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-456

Query Match 9.7%; Score 151.8; DB 3; Length 231;
Best Local Similarity 79.3%; Pred. No. 4.2e-32;
Matches 180; Conservative 0; Mismatches 47; Indels 0; Gaps 0;
QY 479 CAATATCCGTACATGACAGTACCGCCGCATCCACTGCTCTCATCTAGTGGGGTTGG 538
Db 5 CAGGTACCCCTTACAAAGAAGACCATACCTTATGCGTTATTAGGTGAATAATCATTC 64
QY 539 CTTGCCCCGTTTCTCTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAAACCTTTTGA 598
Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGTCTGTTTACTGTAAACCTTTTGA 124
QY 599 CTCAATTCCTTTTATCAGTAATAACTACATAGCCCACTATTTTACAAAGCCATTGGAACCTT 658
Db 125 CTCAATTCCTTTTATCAGGAATAACTACATAGCCCACTATTTTACAAAGCCATTGGAACCTT 184

Qy	659	TTTATTGGTGCACTGCTAGTCAGTCCCTGACTGACATTGCCAAGT	705
Db	185	TTTATTGGTGCACTGCTAGTCAGTCCCTGACTGACATTGCCAAGT	231

RESULT 5

US-09-352-616A-456
; Sequence 456, Application US/09352616A
; Patent No. 6395278

```

; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0

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Query Match 9.7%; Score 151.8; DB 3; Length 231;
Best Local Similarity 79.3%; Pred. No. 4.2e-32;
Matches 180; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

[illegible]

RESULT 6

US-09-636-215-456
; Sequence 456, Application US/09636215
; Patent No. 6620922

APPLICANT:	Xu, Jiangchun	
APPLICANT:	Dillon, Davin C.	
APPLICANT:	Mitcham, Jennifer L.	
APPLICANT:	Harlocker, Susan L.	
APPLICANT:	Jiang, Yuqui	
APPLICANT:	Henderson, Robert A.	
APPLICANT:	Kalos, Michael D.	
APPLICANT:	Fanger, Gary R.	
APPLICANT:	Retter, Marc W.	
APPLICANT:	Stolk, John A.	
APPLICANT:	Day, Craig H.	
APPLICANT:	Vedvick, Thomas S.	
APPLICANT:	Carter, Darrick	
APPLICANT:	Li, Samuel	
APPLICANT:	Wang, Aijun	
APPLICANT:	Skelky, Yasir A.W.	
APPLICANT:	Hepler, William	
TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY AND	
TITLE OF INVENTION:	DIAGNOSIS OF PROSTATE CANCER	

APPLICANT: Li, Samuel
 APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yasir A.W.
 APPLICANT: Hepler, William
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

```

; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 456
; LENGTH: 231

```

Query Match 9.7%; Score 151.8; DB 4; Length 231;
Best Local Similarity 79.3%; Pred. NO. 4.2e-32;
Matches 180; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

[illegible]

RESULTS

US-09-685-166A-456
; Sequence 456, Application US/09685166A
; Patent No. 6630305

```

; GENERAL INFORMATION.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS
; TITLE OF INVENTION: DIAGNOSIS C

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Query Match 9.7%; Score 151.8; DB 4; Length 231;
Best Local Similarity 79.3%; Pred. NO. 4.2e-32;
Matches 180; Conservative 0; Mismatches 47; Indels 0; Gaps 0

479 CAACTATCCGTACCATGACAGTACCGCCGCATCTCTCATCTAGTGGGGGTTGG 538

Qy 479 CAACTATCCGTACCATGACAGTACCGCGGCATCCACGTCTCATCTAGTGGGGTGG 538

Db 5 CAGGTACCCCTTACAAAGAAGACACCATAACCTTATGCGTTATTAGGTGGAATAATCATTTCC 64
QY 539 CTTGCCCGTTCTCTATTATTCTTGGAGAAACCCTGCTGTTTACTGTAACTTTTGGCA 598
Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCTGCTGTTTACTGTAACTTTTGGCA 124
QY 599 CTCAAATTCCTTTATCAGTAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTT 658
Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTT 184
QY 659 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 705
Db 185 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 231

RESULT 8

US-09-679-426-456
; Sequence 456, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER

; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 456

; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-456

Query Match 9.7%; Score 151.8; DB 4; Length 231;
Best Local Similarity 79.3%; Pred. No. 4.2e-32;
Matches 180; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

Qy 479 CAACATATCCGTACCATGACAGTACCGCCGATCCACTGTCCTCATCCTAGTGGGGTTGG 538
Db 5 CAGGTACCCCTTACAAAGAAGACACCATAACCTTATGCGTTATTAGGTGGAATAATCATTTCC 64
QY 539 CTTGCCCGTTCTCTATTATTCTTGGAGAAACCCTGCTGTTTACTGTAACTTTTGGCA 598
Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCTGCTGTTTACTGTAACTTTTGGCA 124
QY 599 CTCAAATTCCTTTATCAGTAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTT 658
Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTT 184
QY 659 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 705
Db 185 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 231

RESULT 9

US-09-759-143-456

; Sequence 456, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER

; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12

; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 456

; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-456

Query Match 9.7%; Score 151.8; DB 4; Length 231;
Best Local Similarity 79.3%; Pred. No. 4.2e-32;
Matches 180; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

Qy 479 CAACATATCCGTACCATGACAGTACCGCCGATCCACTGTCCTCATCCTAGTGGGGTTGG 538
Db 5 CAGGTACCCCTTACAAAGAAGACACCATAACCTTATGCGTTATTAGGTGGAATAATCATTTCC 64
QY 539 CTTGCCCGTTCTCTATTATTCTTGGAGAAACCCTGCTGTTTACTGTAACTTTTGGCA 598
Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCTGCTGTTTACTGTAACTTTTGGCA 124
QY 599 CTCAAATTCCTTTATCAGTAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTT 658
Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTACAAAGCCATTGGAACCTT 184
QY 659 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 705
Db 185 TTTATTTGGTGACGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 231

RESULT 10

US-09-651-236-456
; Sequence 456, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651.236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 456
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-456

Query Match 9.7%; Score 151.8; DB 4; Length 231;
Best Local Similarity 79.3%; Pred. No. 4.2e-32;
Matches 180; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 479 CAACTATCCGTACCATGACAGTACCGCCGCATCCACTGTCCTCATCCTAGTGGGGTTGG 538
Db 5 CAGGTACCTTACAAGAGACACCATACCTTATGCGTTATTAGGTGGAATAATCAATCC 64

QY 539 CTTGCCCGTTTCTCTATTATTCTTGGAGAAACCCCTGCTGTTACTGTAAACCTTTTCCA 598
Db 65 ATTCAGTATTATCGTTATTATTCTTGGAGAAACCCCTGCTGTTACTGTAAACCTTTTCCA 124

QY 599 CTCAAATTCCTTTATCAGTAATAACTACATAGCCACTATTATACAAAGCCATTGGAACCTT 658
Db 125 CTCAAATTCCTTTATCAGGAATAACTACATAGCCACTATTATACAAAGCCATTGGAACCTT 184

QY 659 TTTATTTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 705
Db 185 TTTATTTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGT 231

RESULT 11
US-09-439-313-316
; Sequence 316, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-316

Query Match 9.6%; Score 151; DB 3; Length 151;
Best Local Similarity 100.0%; Pred. No. 5.4e-32;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 920 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCCGTATCCATTTA 979
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCCGTATCCATTTA 60

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOSITIONS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-316

Query Match 9.6%; Score 151; DB 3; Length 151;
Best Local Similarity 100.0%; Pred. No. 5.4e-32;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 920 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCCGTATCCATTTA 979
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCCGTATCCATTTA 60

QY 980 TGTGGGCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGGATGTGTGACTGGACT 1039
Db 61 TGTGGGCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGGATGTGTGACTGGACT 120

QY 1040 CATTCAGGGAGCTCTGGTTGCAATATTAGTT 1070
Db 121 CATTCAGGGAGCTCTGGTTGCAATATTAGTT 151

RESULT 12
US-09-352-616A-316
; Sequence 316, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-316

Query Match 9.6%; Score 151; DB 3; Length 151;
Best Local Similarity 100.0%; Pred. No. 5.4e-32;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 920 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCCGTATCCATTTA 979
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCCGTATCCATTTA 60

QY 980 TGTGGGCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGGATGTGTGACTGGACT 1039
Db 61 TGTGGGCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGGATGTGTGACTGGACT 120

QY 1040 CATTCAGGGAGCTCTGGTTGCAATATTAGTT 1070
Db 121 CATTCAGGGAGCTCTGGTTGCAATATTAGTT 151

RESULT 13
US-09-232-149A-316
; Sequence 316, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-316

Query Match 9.6%; Score 151; DB 3; Length 151;
Best Local Similarity 100.0%; Pred. No. 5.4e-32;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 920 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTGGTCTTGTGGCGTATCCATTTA 979
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTGGTCTTGTGGCGTATCCATTTA 60
QY 980 TGTGGGCCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACT 1039
Db 61 TGTGGGCCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACT 120
QY 1040 CATTGAGGAGCTCTGGTTGCAATATTAGTT 1070
Db 121 CATTGAGGAGCTCTGGTTGCAATATTAGTT 151
```

RESULT 14

US-09-636-215-316
; Sequence 316, Application US/09636215
; Patent No. 6620922

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17

; CURRENT APPLICATION NUMBER: US/09/636,215
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 316

; LENGTH: 151

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-636-215-316

Query Match 9.6%; Score 151; DB 4; Length 151;
Best Local Similarity 100.0%; Pred. No. 5.4e-32;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 920 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTGGTCTTGTGGCGTATCCATTTA 979
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTGGTCTTGTGGCGTATCCATTTA 60
QY 980 TGTGGGCCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACT 1039
Db 61 TGTGGGCCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACT 120
QY 1040 CATTGAGGAGCTCTGGTTGCAATATTAGTT 1070
Db 121 CATTGAGGAGCTCTGGTTGCAATATTAGTT 151
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RESULT 15

US-09-685-166A-316
; Sequence 316, Application US/09685166A
; Patent No. 6630305

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21

; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 151
; TYPE: DNA

; ORGANISM: Homo sapien

US-09-685-166A-316

Query Match 9.6%; Score 151; DB 4; Length 151;
Best Local Similarity 100.0%; Pred. No. 5.4e-32;
Matches 151; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 920 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTGGTCTTGTGGCGTATCCATTTA 979
Db 1 AGACTGGGCAAGACTCTTACGCCCCACACTGCAATTGGTCTTGTGGCGTATCCATTTA 60
QY 980 TGTGGGCCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACT 1039
Db 61 TGTGGGCCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACT 120
QY 1040 CATTGAGGAGCTCTGGTTGCAATATTAGTT 1070
Db 121 CATTGAGGAGCTCTGGTTGCAATATTAGTT 151
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Search completed: November 11, 2005, 16:01:44
Job time : 273.717 secs

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OM nucleic - nucleic search, using sw model

Run on: November 11, 2005, 10:33:31 ; Search time 1368.71 Seconds
(without alignments)
9461.850 Million cell updates/sec

Title: US-08-842-827-3
Perfect score: 1566
Sequence: 1 CCTGTGGGAGAGCGCGG.....CCAAAAA.....AAAAA 1566

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9794790 seqs, 4134909567 residues

Total number of hits satisfying chosen parameters: 19589580

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Listing first 45 summaries

Database : Published Applications NA:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1566	100.0	1566	24	US-10-764-425-61 Sequence 61, Appl
2	1396	89.1	1703	21	US-10-357-930-25877 Sequence 25877, A
3	1199.4	76.6	1388	19	US-10-287-226-347 Sequence 347, App
4	921.4	58.8	1096	19	US-10-287-226-345 Sequence 345, App
5	876.2	56.0	1043	20	US-10-647-426-21 Sequence 21, Appl

6	876.2	56.0	1043	21	US-10-643-795A-57 Sequence 57, Appl
7	876.2	56.0	1043	22	US-10-948-518-57 Sequence 57, Appl
8	876.2	56.0	1043	22	US-10-956-157-1105 Sequence 1105, Ap
9	600	38.3	600	22	US-10-956-157-6340 Sequence 6340, Ap
10	510	32.6	871	18	US-10-191-803-154 Sequence 154, App
11	510	32.6	871	19	US-10-152-319A-1795 Sequence 1795, Ap
12	483.4	30.9	486	22	US-10-696-639-2825 Sequence 2825, Ap
13	482.8	30.8	1400	22	US-10-956-157-9858 Sequence 9858, Ap
14	482.8	30.8	3947	22	US-10-956-157-4623 Sequence 4623, Ap
15	482.8	30.8	26197	9	US-09-764-847-1965 Sequence 1965, Ap
16	482.8	30.8	26197	15	US-10-092-154-1965 Sequence 1965, Ap
17	482.8	30.8	26210	9	US-09-764-847-1966 Sequence 1966, Ap
18	482.8	30.8	26210	15	US-10-092-154-1966 Sequence 1966, Ap
19	471.8	30.1	1746	21	US-10-357-930-22657 Sequence 22657, A
20	471.8	30.1	1746	21	US-10-357-930-22828 Sequence 22828, A
21	471.8	30.1	1746	21	US-10-357-930-28502 Sequence 28502, A
22	471.8	30.1	1746	21	US-10-357-930-28683 Sequence 28683, A
23	470.6	30.1	482	22	US-10-696-639-2824 Sequence 2824, Ap
24	422	26.9	543	21	US-10-357-930-39311 Sequence 39311, A
25	407.8	26.0	695	21	US-10-357-930-9132 Sequence 9132, Ap
26	390.6	24.9	436	18	US-10-242-535A-40353 Sequence 40353, A
27	390.6	24.9	436	19	US-10-085-783A-40353 Sequence 40353, A
28	354.8	22.7	423	10	US-09-930-213-243 Sequence 243, App
29	283.6	18.1	295	18	US-10-242-535A-33407 Sequence 33407, A
30	283.6	18.1	295	19	US-10-085-783A-33407 Sequence 33407, A
31	275.8	17.6	460	18	US-10-242-535A-3562 Sequence 3562, Ap
32	275.8	17.6	460	19	US-10-085-783A-3562 Sequence 3562, Ap
33	265	16.9	266	18	US-10-305-720-322 Sequence 322, App
34	237	15.1	959	21	US-10-363-345A-33205 Sequence 33205, A
35	237	15.1	959	21	US-10-363-345A-33206 Sequence 33206, A
36	237	15.1	959	22	US-10-363-483A-33205 Sequence 33205, A
37	237	15.1	959	22	US-10-363-483A-33206 Sequence 33206, A
38	237	15.1	960	21	US-10-363-345A-36051 Sequence 36051, A
39	237	15.1	960	21	US-10-363-345A-36052 Sequence 36052, A
40	237	15.1	960	22	US-10-363-483A-36051 Sequence 36051, A
41	237	15.1	960	22	US-10-363-483A-36052 Sequence 36052, A
42	230	14.7	271	18	US-10-242-535A-47721 Sequence 47721, A
43	230	14.7	271	19	US-10-085-783A-47721 Sequence 47721, A
44	217.8	13.9	1269	20	US-10-647-426-25 Sequence 25, Appl
45	216.2	13.8	1303	24	US-10-765-700-117 Sequence 117, App

ALIGNMENTS

RESULT 1

US-10-764-425-61
; Sequence 61, Application US/10764425
; Publication No. US20040146921A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; APPLICANT: Taylor, Ian
; TITLE OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF USE
; FILE REFERENCE: 5151
; CURRENT APPLICATION NUMBER: US/10/764,425
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: 60/442,582
; PRIOR FILING DATE: 2003-01-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 61
; LENGTH: 1566
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-764-425-61

Query Match 100.0%; Score 1566; DB 24; Length 1566;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1566; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1561 ||||| AAAAAA 1566

Db 1561 ||||| AAAAAA 1566

RESULT 2

US-10-357-930-25877
; Sequence 25877, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25877
; LENGTH: 1703
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 4, 5, 6, 7, 1697, 1698, 1699, 1700, 1701, 1702,
; LOCATION: 1703

; OTHER INFORMATION: n = A, T, C or G
US-10-357-930-25877

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Db			
QY	181	CGCCCCGTCTCAGCCCGCCCTCGGCTGCTCTCCTCCTCCGGCTGGGAGGGCGGTATCTC	240
Db			
QY	241	GGGGCCGTGCGCAGCCCCCGCGGGCTCGATAAATCAAGGGCTCGGCCGTGCCCGCA	300
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QY	301	CCTCATTCATCGCCCTTGCGGGGAGGCCCGGGCAGAGACCATGTTTGACAAGACGCGC	360
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QY	361	TGCCGTACGTGGCCCTCGATGTGCTCTGCGTGTGCTGGCTTCCATGCCATGGCTGTTTC	420
Db			
QY	421	TAAAAATTGGGCCAAATATATCCATTTCAGAGAGGCTTTTCTGTAAAGACACAGCATCA	480
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QY	481	ACTATCCGTAACATGACAGTACCGCCGCGATCCACTGTCTCATCTAGTGGGGTTGGCT	540
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QY	541	TGCCCCGTTTCCTCTATTATTCTTGGAGAAACCTGTCTGTTTACTGTAACTTTTGCACT	600
Db			
QY	601	CAAAATTCCTTTATCAGTAAFAACTACATAGCCACTATTTACAAAAGCCATTGGAACCTTTT	660
Db			
QY	661	TATTTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTGCCAAGTATTCAAATAGGCAGAC	720
Db			
QY	721	TGCGGCCCTCACTTCTTGGATGTTTGTGATCCAGATTGTCAAAAATCAACTGCAGCGATG	780
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QY	781	GTTACATTGAATACTACATATGTGAGGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGT	840
Db			
QY	841	CCTTCTATTGAGGCCACTCTTCTGTTTCCATGTACTGCATGCTGTTTGTGGCACTTTATC	900
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QY	901	TTCAAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTC	960
Db			
QY	961	TTGTTGCCGTATCCATTATATGTGGGCCCTTCTCGAGTTTCTGATTATATAACACCACCTGGA	1020
Db			

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; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 347
; LENGTH: 1388
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (357)..(1019)
US-10-287-226-347

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Best Local Similarity 89.2%; Pred. No. 2.7e-306;
Matches 1371; Conservative 0; Mismatches 11; Indels 155; Gaps 1;

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Db 7 CGTCGACGCAACCGGGGAGCCCGTGCCTGAGGAGGTCTGAGGCTACAGAGCTGCC 66

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Db 67 GCGGCTGGCACACGAGCGCTCGGCACCTAACCGAGTGTTCGGGGGGGCTGTGAGGGGAGG 126

QY 149 GCCCGGGGGCCATTGCTGGCGGTGGGAGCGCCCGCGGTCTCAGCCCGCCCTCGGCTGC 208
Db 127 GCCCGGGGGCCATTGCTGGCGGTGGGAGCGCCCGCGGTCTCAGCCCGCCCTCGGCTGC 186

QY 209 TCTCCTCCTCGGGCTGGGAGGGCCGATATCTGGGGCCGTCGCCAGCCCGCCCGGGCT 268
Db 187 TCTCCTCCTCGGGCTGGGAGGGCCGATAGCTGGGGCCGTCGCCAGCCCGCCCGGGCT 246

QY 269 CGATAATCAAGGGCCCTCGGCCGTCGTCCCGCACCTCATTCATCGCCCTTGCCTGGGCAGC 328
Db 247 CGAGAATCAAGGGCCCTCGGCCGTCGTCCCGCACCTCATTCATCGCCCTTGCCTGGGCAGC 306

QY 329 CCGGGCAGAGACCATGTTTGACAAGACGGGCTGCCGTACGTGGCCCTCGATGTGCTCTG 388
Db 307 CCGGGCAGAGACCATGTTTGACAAGACGGGCTGCCGTACGTGGCCCTCGATGTGCTCTG 366

QY 389 CGTGTTCGTGGCTTCCATGCCTATGGCTGTTCTAAAAATTTGGGGCCAAATATATCCATTTCA 448
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367 CGTGTGCTGG----- 377
QY 449 GAGAGGCTTTTCTGTAAAGACAAACAGCATCAACTATCCGTACCATGACAGTACCGCGGC 508
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QY 509 ATCCACTGTCCTCATCTCTAGTGGGGTTGGCTTGCCCGTTTCTCTATTATTCTTTGGAGA 568
Db 378 -----ATTATTCTTTGGAGA 391
QY 569 AACCTGTCTGTTTACTGTAAACCTTTTGCACTCAAAATCCTTTATCAGTAATAACTACAT 628
Db 392 AACCTGTCTGTTTACTGTAAACCTTTTGCACTCAAAATCCTTTATCAGGAATAACTACAT 451
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Db 452 AGCCACTATTTACAAAGCCATTGGAACTTTTATTTGGTGCAGCTGTAGTCCCT 511
QY 689 GACTGACATTGCCAAGTATTCAATAGGCAGACTGCGGCCTCACTTCTTGGATGTTTGTGA 748
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QY 809 GAATGCAGAAAGAGTTAAGGAAGGAGGTTGTCTTCTTATTCAGGCCACTCTTCGTTTC 868
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Db 812 TTCTCGAGTTTCTGATTTATAAACACCACTGGAGCGATGTGTGACTGGACTCATTCAGGG 871
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Db 1172 ATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAATACTCAATTAATAAACTCCAAG 1231
QY 1409 CCTTCCACAAAACAGTGCCCACTGTATACATTTTATTAATAAAATGTAATGCTTAT 1468
Db 1232 CCTTCCACAAAACAGTGCCCACTGTATACATTTTATTAATAAAATGTAATGCTTAT 1291
QY 1469 GTATAACATGTATGTAATATGCTTCTTATGAATGATGTTGATTTAAATATAATACATA 1528
|||||
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Db 1292 GTATAAACATGTATGTAATATGCTTCTCTATGAATGATGTTTGATTAAATATAATACATA 1351
Qy 1529 TTAAAAATGTATGGAGAACCAAAAAAAAAAAAAAAAAAAAA 1565
Db 1352 TTAAAAATGTATGGAGAACCAAAAAAAAAAAAAAAAAAAAA 1388

RESULT 4

US-10-287-226-345
; Sequence 345, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:

; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khrantsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigaru, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20

; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 345
; LENGTH: 1096
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (344)..(1006)
US-10-287-226-345

Query Match 58.8%; Score 921.4; DB 19; Length 1096;
Best Local Similarity 87.1%; Pred. No. 9.2e-233;
Matches 1090; Conservative 0; Mismatches 6; Indels 155; Gaps 1;

Qy	36	GCAACCGGGCAGGCCGCTGCCGGCTGAGGAGGTCTCTGAGGCTACAGAGCTGCCGGGCTG	95
Db	1	GCAACCGGGCAGGCCGCTGCCGGCTGAGGAGGTCTCTGAGGCTACAGAGCTGCCGGGCTG	60
Qy	96	GCACACGAGCGCCCTCGGCACCTAACCGAGTGTTCGGCGGGGGTGTGAGGGGAGGGCCCCGG	155
Db	61	GCACACGAGCGCCCTCGGCACCTAACCGAGTGTTCGGCGGGGGTGTGAGGGGAGGGCCCCGG	120
Qy	156	CGCCCATTTGCTGGCGGTGGGAGCGCCCGCGGTCTCAGCCGCCCTCGGGTGTCTCCTC	215
Db	121	CGCCCATTTGCTGGCGGTGGGAGCGCCCGCGGTCTCAGCCGCCCTCGGGTGTCTCCTC	180
Qy	216	CTCCGGCTGGGAGGGGCGGTATCTCGGGGCGGTTCGCCAGCCCGGGCTCGGATTAAT	275
Db	181	CTCCGGCTGGGAGGGGCGGTATCTCGGGGCGGTTCGCCAGCCCGGGCTCGGATTAAT	240
Qy	276	CAAGGGCTCGGGCGGTCTGCCCGCACCTCATTTCCATCGCCCTTCGGGGAGCCCGGGCA	335
Db	241	CAAGGGCTCGGGCGGTCTGCCCGCACCTCATTTCCATCGCCCTTCGGGGAGCCCGGGCA	300
Qy	336	GAGACCATTTTGACAAGACGCGGTTCGGTACGTCGTCGATGTCTGCGGTGTG	395
Db	301	GAGACCATTTTGACAAGACGCGGTTCGGTACGTCGTCGATGTCTGCGGTGTG	360
Qy	396	CTGGCTTCCATGCCTATGGCTGTTCTTAAATTTGGCCAAATATATATTCATTCAGAGAGC	455
Db	361	CTGG-----ATTTCTTGGAGAAACCCCTG	364
Qy	456	TTTTTCTGTAAAGACAACAGCATCAACTATCCGTACCATGACAGTACCCCGCATCCACT	515
Db	365	-----ATTTCTTGGAGAAACCCCTG	364
Qy	516	GTCTCATCTAGTGGGGTGGCTTGCCTCTATTTATTTCTTGGAGAAACCCCTG	575
Db	365	-----ATTTCTTGGAGAAACCCCTG	385
Qy	576	TCTGTTTACTGTAACTTTTGCACTCAAAATTCCTTATCAGTAATAACTACATAGCCACT	635
Db	386	TCTGTTTACTGTAACTTTTGCACTCAAAATTCCTTATCAGTAATAACTACATAGCCACT	445
Qy	636	ATTACAAAGCCATTGGAACTTTTATTTGGTGCAGCTGTAGTCAGTCCCTGACTGAC	695
Db	446	ATTACAAAGCCATTGGAACTTTTATTTGGTGCAGCTGTAGTCAGTCCCTGACTGAC	505
Qy	696	ATTGCCAAGTATTCAATAGGCAGACTGCGGCCTCAGTCTTGGATGTTTGTGATCCAGAT	755
Db	506	ATTGCCAAGTATTCAATAGGCAGACTGCGGCCTCAGTCTTGGATGTTTGTGATCCAGAT	565
Qy	756	TGGTCAAAAATCAACTGCAGCGATGGTTACATTTGAATACTACATATGTCCAGGGAATGCA	815
Db	566	TGGTCAAAAATCAACTGCAGCGATGGTTACATTTGAATACTACATATGTCCAGGGAATGCA	625
Qy	816	GAAAGAGTTAAGGAAGGAGGTTGCTCTTCTTATTCAGGCACCTCTTCGTTTCCATGTAC	875
Db	626	GAAAGAGTTAAGGAAGGAGGTTGCTCTTCTTATTCAGGCACCTCTTCGTTTCCATGTAC	685
Qy	876	TGCATGCTGTTTGTGGCACTTTATCTTCAAGCCAGGATGAAGGAGACTGGGCAAGACTC	935

Db 686 TGCATGCTGTTGTGGCACTTATCTTCAAGCCAGGATGAAGGAGACTGGCAAGACTC 745
Qy 936 TTACGCCCCACACTGCAATTTGGTCTTGTGCGCGTATCCATTTATGTGGCCCTTTCTCGA 995
Db 746 TTACGCCCCACACTGCAATTTGGTCTTGTGCGCGTATCCATTTATGTGGCCCTTTCTCGA 805
Qy 996 GTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACTCATTCAGGGAGCTCTG 1055
Db 806 GTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACTCATTCAGGGAGCTCTG 865
Qy 1056 GTTGCATATTAGTTGCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAA 1115
Db 866 GTTGCATATTAGTTGCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAA 925
Qy 1116 GAAAGAAAGAGGAGGACTCTCATACAACCTGCTGATGAACACCAACAACTGGGAATCAC 1175
Db 926 GAAAGAAAGAGGAGGACTCTCATACAACCTGCTGATGAACACCAACAACTGGGAATCAC 985
Qy 1176 TATCCGAGCAATCACAGCCTTGAAAGGACAGCGGTGCCAGGTGAAGCTGGCCTGTTT 1235
Db 986 TATCCGAGCAATCACAGCCTTGAAAGGACAGCGGTGCCAGGTGAAGCTGGCCTGTTT 1045
Qy 1236 TCTAAAGGAAAAATGATTGCCACAAGGCAAGAGGATGCATCTTTTCTTCCTGG 1286
Db 1046 TCTAAAGGAAAAATGATTGCCACAAGGCAAGAGGATGCATCTTTTCTTCCTGG 1096

RESULT 5

US-10-647-426-21
; Sequence 21, Application US/10647426
; Publication No. US20040110197A1
; GENERAL INFORMATION:
; APPLICANT: Skinner, Michael K.
; APPLICANT: Patton, Jodi L.
; TITLE OF INVENTION: A METHOD OF DETERMINING TUMOR CHARACTERISTICS BY
; TITLE OF INVENTION: DETERMINING ABNORMAL COPY NUMBER OR EXPRESSION LEVEL OF
; TITLE OF INVENTION: LIPID-ASSOCIATED GENES
; FILE REFERENCE: PATRICK EAGLEMAN: EMBOL-X 252/124
; CURRENT APPLICATION NUMBER: US/10/647,426
; CURRENT FILING DATE: 2003-08-26
; PRIOR APPLICATION NUMBER: US/09/676,052
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 1043
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1043)
; OTHER INFORMATION: The sequence of the cDNA coding for Phosphatidic
; OTHER INFORMATION: Acid Phosphatase type 2a
US-10-647-426-21

Query Match 56.0%; Score 876.2; DB 20; Length 1043;
Best Local Similarity 90.9%; Pred. No. 8.2e-221;
Matches 948; Conservative 0; Mismatches 83; Indels 12; Gaps 1;
Qy 256 CCCGGCCCGGCTCGATAATCAAGGCGCTCGGCCGCTGCCGCACCTCATTCATCGCC 315
Db 1 CCCGGCCCGGCTCGAGAAATCAAGGCGCTCGGCCGCTGCCGCAGCTCAGTCCATCGCC 60
Qy 316 CTTGCCGGCAGCCCGGCGAGACCATGTTTGACAAGACGGCGTGGCGTACGTGGCCC 375
Db 61 CTTGCCGGCAGCCCGGCGAGACCATGTTTGACAAGACGGCGTGGCGTACGTGGCCC 120
Qy 376 TCGATGTCCTGCGTGTGCTGGCTTCCATGCCTATGGCTGTTCTAAATTTGGGCCAAA 435
Db 121 TCGATGTCCTGCGTGTGCTGGCTGGATGGCTTTTGCAATTTTACTTCAAGGCATA 180
Qy 436 TATAT-----CCATTTTCAGAGAGGCTTTTCTCTGTAAGACACACATCAACT 483

Db 181 TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATCTGTAATGATGAGTCCATCAAGT 240
Qy 484 ATCCGTACCATGACAGTACCGCGCATCCACTGTCTCTCATCTAGTGGGGGTTGGCTTGC 543
Db 241 ACCCTTACAAAGACACACCATACCTTATGCGTTATAGGTGGAATAATCATTCCTCA 300
Qy 544 CCGTTTCTCTATTAATCTTGGAGAAACCCCTGTCTGTTTACTGTAACTTTTGGACITCAA 603
Db 301 GTATTATCGTTATTAATCTTGGAGAAACCCCTGTCTGTTTACTGTAACTTTTGGACITCAA 360
Qy 604 ATTCTTTTATCAGTAATAACTACATAGCCACTATTTACAAAGCCATTGGAACCTTTTAT 663
Db 361 ATTCTTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAACCTTTTAT 420
Qy 664 TTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTCGCCAAGTATTCATAGGCAGACTGC 723
Db 421 TTGGTGCAGCTGCTAGTCAGTCCCTGACTGACATTCGCCAAGTATTCATAGGCAGACTGC 480
Qy 724 GGCCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAAAATCAACTGCAGCGATGTT 783
Db 481 GGCCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAAAATCAACTGCAGCGATGTT 540
Qy 784 ACATTGAATACTACATATGTCAGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGTCT 843
Db 541 ACATTGAATACTACATATGTCAGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGTCT 600
Qy 844 TCTATTCAAGGCCACTTCTCGTTTTCATGTAATCTGATGCTGTTTGGCACCTTTATCTTC 903
Db 601 TCTATTCAAGGCCACTTCTCGTTTTCATGTAATCTGATGCTGTTTGGCACCTTTATCTTC 660
Qy 904 AAGCCAGGATGAAGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG 963
Db 661 AAGCCAGGATGAAGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG 720
Qy 964 TTGCCGTATCCATTTATGTGGCCCTTCTCGAGTTTCTGATTATAAACACCACTGGAGCG 1023
Db 721 TTGCCGTATCCATTTATGTGGCCCTTCTCGAGTTTCTGATTATAAACACCACTGGAGCG 780
Qy 1024 ATGTGTTGACTGGACTCATTCAGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTAT 1083
Db 781 ATGTGTTGACTGGACTCATTCAGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTAT 840
Qy 1084 CGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA 1143
Db 841 CGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA 900
Qy 1144 CTCTGCATGAAACACCAACAACTGGGAATCACTATCCGAGCAATCACAGCCCTTGAAGG 1203
Db 901 CTCTGCATGAAACACCAACAACTGGGAATCACTATCCGAGCAATCACAGCCCTTGAAGG 960
Qy 1204 CAGCAGGTGCCAGTGAAGCTGGCTGTTTCTTAAAGGAAAAATGATTGCCACAAGGCA 1263
Db 961 CAGCAGGTGCCAGTGAAGCTGGCTGTTTCTTAAAGGAAAAATGATTGCCACAAGGCA 1020
Qy 1264 AGAGGATGCATCTTCTTCCTGG 1286
Db 1021 AGAGGATGCATCTTCTTCCTGG 1043

RESULT 6

US-10-643-795A-57
; Sequence 57, Application US/10643795A
; Publication No. US20040241703A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU


```

; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/643,795A
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 57
; LENGTH: 1043
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-643-795A-57

Query Match      56.0%; Score 876.2; DB 21; Length 1043;
Best Local Similarity 90.9%; Pred. No. 8.2e-221;
Matches 948; Conservative 0; Mismatches 83; Indels 12; Gaps 1;

QY 256 CCGGGCCCGGCTCGATAATCAAGGGCGCTCGGCGGCTCGTCCCGCACCTCATTCATCGCC 315
Db 1 CCGGGCCCGGCTCGAGAAATCAAGGGCGCTCGGCGGCGCTCGGCGAGCTCAGTCCATCGCC 60

QY 316 CTGCGCGGCGAGCCCGGGCAGAGACCATGTTTGACAAGACGGCGTGCCGTACGTGGCCC 375
Db 61 CTGCGCGGCGAGCCCGGGCAGAGACCATGTTTGACAAGACGGCGTGCCGTACGTGGCCC 120

QY 376 TCGATGTGCTCTGCGTGTGCTGGCTTCCATGCCCTATGGCTGTCTCTAAATTTGGGCCAA 435
Db 121 TCGATGTGCTCTGCGTGTGCTGGCTGGATGGCTTTTGCAATTTTACTTCAAGGCATA 180

QY 436 TATAT-----CCATTTCAAGAGAGGCTTTTCTGTAAAGACACAGCATCAACT 483
Db 181 TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTTCTGTATGATGATCCATCAAGT 240

QY 484 ATCCGTACCATGACAGTACCGCCGCATCCACTGTCTCATCTAGTGGGGTTGGCTTGC 543
Db 241 ACCCTTACAAGAAGACACCATACCTTATCGGTTATTAGTGGAAATATCATTCATCA 300

QY 544 CCGTTTCTCTATTATTCTTGGAGAAACCTGTCTGTGTACTGTAACTTTTGCACTCA 603
Db 301 GTATTATCGTTATTATTCTTGGAGAAACCTGTCTGTGTACTGTAACTTTTGCACTCA 360

QY 604 ATTCCTTTATCAGTAATAACTACATAGCCACTATTTACAAAGCCATTGGAACTTTTAT 663
Db 361 ATTCCTTTATCAGGAATAACTACATAGCCACTATTTACAAAGCCATTGGAACTTTTAT 420

QY 664 TTGGTGCAGCTGCTAGTCACTGCCCTGACTGACATTTGCCAAGTATTTCAATAGGCAGCTGC 723
Db 421 TTGGTGCAGCTGCTAGTCACTGCCCTGACTGACATTTGCCAAGTATTTCAATAGGCAGCTGC 480

QY 724 GGCCTCACTTCTTGGATGTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTT 783
Db 481 GGCCTCACTTCTTGGATGTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTT 540

QY 784 ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGATTAAAGGAGCGGTTGTCCT 843
Db 541 ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGATTAAAGGAGCGGTTGTCCT 600

QY 844 TCTATTACGCCCACTCTTCGTTTTCATGCTGATGCTGTTTGTGGCACTTTATCTTC 903
Db 601 TCTATTACGCCCACTCTTCGTTTTCATGCTGATGCTGTTTGTGGCACTTTATCTTC 660
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QY 904 AAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG 963
Db 661 AAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG 720

QY 964 TTGCCGTATCCATTTATGTGGGCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCG 1023
Db 721 TTGCCGTATCCATTTATGTGGGCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCG 780

QY 1024 ATGTGTTGACTGGACTCATTCAGGGAGCTCTGTTGCAATATTAGTTGCTGTATATGTAT 1083
Db 781 ATGTGTTGACTGGACTCATTCAGGGAGCTCTGTTGCAATATTAGTTGCTGTATATGTAT 840

QY 1084 CGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA 1143
Db 841 CGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA 900

QY 1144 CTCTGCATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGG 1203
Db 901 CTCTGCATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGG 960

QY 1204 CAGCAGGTGCCCCAGGTGAAGCTGGCCTGTTTCTTAAAGAAATGATGGCCACAAGGCA 1263
Db 961 CAGCAGGTGCCCCAGGTGAAGCTGGCCTGTTTCTTAAAGAAATGATGGCCACAAGGCA 1020

QY 1264 AGAGGATGCATCTTTCTTCCTGG 1286
Db 1021 AGAGGATGCATCTTTCTTCCTGG 1043
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RESULT 7
US-10-948-518-57
; Sequence 57, Application US/10948518
; Publication No. US20050064492A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/948,518
; CURRENT FILING DATE: 2004-09-22
; PRIOR APPLICATION NUMBER: US/10/643,795
; PRIOR FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 57
; LENGTH: 1043
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-948-518-57
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Query Match      56.0%; Score 876.2; DB 22; Length 1043;
Best Local Similarity 90.9%; Pred. No. 8.2e-221;
Matches 948; Conservative 0; Mismatches 83; Indels 12; Gaps 1;
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Qy	256	CCCGGCCCGGCTCGATAATCAAGGGCTCGGCCGTCGTCGCCGACCTCATTCATCGCC	315
Db	1		
Qy	316	CTTGCCGGCAGCCCGGCAGAGACCATGTTTGACAAGACGGCTGCCGTACGTGGCCC	375
Db	61		
Qy	376	TCGATGTGCTCTGCGTGTGCTGGCTTCCATGCCTATGGCTGTTCTAAAATTGGGCCAAA	435
Db	121	TCGATGTGCTCTGCGTGTGCTGGCTGGATTGCCTTTTGCAATTTTACTTCAAGGCATA	180
Qy	436	TATAT-----CCATTTCAAGAGGGCTTTTCTGTAAAGACAACAGCATCAACT	483
Db	181	TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCTGTAATGATGAGTCCATCAAGT	240
Qy	484	ATCCGTACCATGACAGTACCGCCGCATCCACTGTCTCATCTAGTGGGGTTGGCTTGC	543
Db	241	ACCTTTACAAAGAAGACACCATACCTTATGCGTTATTAGTGGAATAATCATTCATTCA	300
Qy	544	CCGTTTCTCTATTATCTTGGAGAAACCTGTCTGTTTACTGTAACTTTTGCACCTCAA	603
Db	301	GTATTATCGTTATTCTTGGAGAAACCTGTCTGTTTACTGTAACTTTTGCACCTCAA	360
Qy	604	ATTCCTTTATCAGTAATACTACATAGCCACTATTACAAAGCCATTGGAACTTTTAT	663
Db	361	ATTCTTTATCAGGAATACTACATAGCCACTATTACAAAGCCATTGGAACTTTTAT	420
Qy	664	TTGGTGACGTGCTAGTCCCTGACTGACATGCTGCTCACTGCTGCTGCTGCTGCTGCT	723
Db	421	TTGGTGACGTGCTAGTCCCTGACTGACATGCTGCTGCTGCTGCTGCTGCTGCTGCT	480
Qy	724	GGCCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGT	783
Db	481	GGCCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGT	540
Qy	784	ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGCT	843
Db	541	ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGCT	600
Qy	844	TTGCGGTATCCATTATGTGGGCCTTTCTCGAGTTTCTGATTATAACACCACTGGAGCG	1023
Db	601	TCTATTAGGCCACTCTTCGTTTCCATGTACTGATGCTGTTTGTGGCACTTTTATCTTC	903
Qy	904	AAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG	963
Db	661	AAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG	720
Qy	964	TTGCGGTATCCATTATGTGGGCCTTTCTCGAGTTTCTGATTATAACACCACTGGAGCG	1023
Db	721	TTGCGGTATCCATTATGTGGGCCTTTCTCGAGTTTCTGATTATAACACCACTGGAGCG	780
Qy	1024	ATGTGTTGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTAT	1083
Db	781	ATGTGTTGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTAT	840
Qy	1084	CGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA	1143
Db	841	CGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA	900
Qy	1144	CTCTGCATGAACACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAAGG	1203
Db	901	CTCTGCATGAACACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAAGG	960
Qy	1204	CAGCAGGTGCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAAATGATTGCCACAAGGCA	1263
Db	961	CAGCAGGTGCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAAATGATTGCCACAAGGCA	1020
Qy	1264	AGAGGATGCATCTTTCTTCCTGG	1286
Db	1021	AGAGGATGCATCTTTCTTCCTGG	1043

RESULT 8
US-10-956-157-1105
; Sequence 1105, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1105
; LENGTH: 1043
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-1105

Query Match	56.0%;	Score 876.2;	DB 22;	Length 1043;
Best Local Similarity	90.9%;	Pred. No. 8.2e-221;		
Matches	948;	Conservative	0;	Mismatches 83;
				Indels 12;
				Gaps 1;
Qy	256	CCCGGCCCGGCTCGATAATCAAGGGCCTCGGCCGTCGTCGCCGACCTCATTCATCGCC	315	
Db	1			
Qy	316	CTTGCCGGCAGCCCGGCAGAGACCATGTTTGACAAGACGGCTGCCGTACGTGGCCC	375	
Db	61			
Qy	376	TCGATGTGCTCTGCGTGTGCTGGCTTCCATGCCTATGGCTGTTCTAAAATTGGGCCAAA	435	
Db	121	TCGATGTGCTCTGCGTGTGCTGGCTGGATTGCCTTTTGCAATTTTACTTCAAGGCATA	180	
Qy	436	TATAT-----CCATTTCAAGAGAGGCTTTTCTGTAAAGACAACAGCATCAACT	483	
Db	181	TTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCTGTAATGATGATGCCATCAAGT	240	
Qy	484	ATCCGTACCATGACAGTACCGCCGCATCCACTGCTCTCATCTAGTGGGGGTTGGCTTGC	543	
Db	241	ACCTTTACAAAGAAGACACCATACCTTATGCGTTATTAGTGGAATAATCATTCATTC	300	
Qy	544	CCGTTTCTCTATTATTTCTTGAGAAACCTGTCTGTTTACTGTAACTTTTGCACCTCAA	603	
Db	301	GTATTATCGTTATTATTCTTGAGAAACCTGTCTGTTTACTGTAACTTTTGCACCTCAA	360	
Qy	604	ATTCCTTTATCAGTAATAACTACATAGCCACTATTACAAAGCCATTGGAACTTTTAT	663	
Db	361	ATTCTTTATCAGGAATAACTACATAGCCACTATTACAAAGCCATTGGAACTTTTAT	420	
Qy	664	TTGGTGACGTGCTAGTCCCTGACTGACATGCTGCTCAAGTATTCAATAGGCAGACTGC	723	
Db	421	TTGGTGACGTGCTAGTCCCTGACTGACATGCTGCTCAAGTATTCAATAGGCAGACTGC	480	
Qy	724	GGCCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGT	783	
Db	481	GGCCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAAATCAACTGCAGCGATGGT	540	
Qy	784	ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGCT	843	
Db	541	ACATTGAATACTACATATGTCGAGGGAATGCAGAAAGAGTTAAGGAAGGCAGGTTGCT	600	
Qy	844	TCTATTAGGCCACTCTTCGTTTCCATGTACTGATGCTGTTTGTGGCACTTTTATCTTC	903	
Db	601	TCTATTAGGCCACTCTTCGTTTCCATGTACTGATGCTGTTTGTGGCACTTTTATCTTC	660	
Qy	904	AAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG	963	
Db	661	AAGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTG	720	
Qy	964	TTGCGGTATCCATTATGTGGGCCTTTCTCGAGTTTCTGATTATAACACCACTGGAGCG	1023	
Db	721	TTGCGGTATCCATTATGTGGGCCTTTCTCGAGTTTCTGATTATAACACCACTGGAGCG	780	
Qy	1024	ATGTGTTGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTAT	1083	
Db	781	ATGTGTTGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTAT	840	
Qy	1084	CGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA	1143	
Db	841	CGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA	900	
Qy	1144	CTCTGCATGAACACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAAGG	1203	
Db	901	CTCTGCATGAACACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAAGG	960	
Qy	1204	CAGCAGGTGCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAAATGATTGCCACAAGGCA	1263	
Db	961	CAGCAGGTGCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAAATGATTGCCACAAGGCA	1020	
Qy	1264	AGAGGATGCATCTTTCTTCCTGG	1286	
Db	1021	AGAGGATGCATCTTTCTTCCTGG	1043	

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Db 721 TTGCGGTATCCATTATATGGGCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCG 780
Qy 1024 ATGTGTTGACTGGACTCATTTAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTAT 1083
Db 781 ATGTGTTGACTGGACTCATTTAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTAT 840
Qy 1084 CGGATTTCTTCAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA 1143
Db 841 CGGATTTCTTCAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAA 900
Qy 1144 CTCTGCATGAACACCAACCACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGG 1203
Db 901 CTCTGCATGAACACCAACCACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAGG 960
Qy 1204 CAGCAGGTTGCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAATGATTGCCACAAGGCA 1263
Db 961 CAGCAGGTTGCCAGGTGAAGCTGGCCTGTTTCTAAAGGAAATGATTGCCACAAGGCA 1020
Qy 1264 AGAGGATGCATCTTTCTTCTCTGG 1286
Db 1021 AGAGGATGCATCTTTCTTCTCTGG 1043

RESULT 9
US-10-956-157-6340
; Sequence 6340, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6340
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-6340

Query Match 38.3%; Score 600; DB 22; Length 600;
Best Local Similarity 100.0%; Pred. No. 7.6e-148;
Matches 600; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 687 CTGACTGACATTGCCAAGTATTCAATAGCAGACTGCGGCCTCAGTTCTTGGATGTTTGT 746
Db 1 CTGACTGACATTGCCAAGTATTCAATAGCAGACTGCGGCCTCAGTTCTTGGATGTTTGT 60
Qy 747 GATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTTACATTGAATACATATGTCGA 806
Db 61 GATCCAGATTGGTCAAAAATCAACTGCAGCGATGGTTACATTGAATACATATGTCGA 120
Qy 807 GGGAAATGCAGAAAGAGTTAAGGAAGGAGGTGTCTTCTATTTCAGGCCACTCTTCGTTT 866
Db 121 GGGAAATGCAGAAAGAGTTAAGGAAGGAGGTGTCTTCTATTTCAGGCCACTCTTCGTTT 180
Qy 867 TCCATGTAATGTCATGCTGTTTGTGGCACTTATCTTCAAGCCAGGATGAAGGGAGACTGG 926
Db 181 TCCATGTAATGTCATGCTGTTTGTGGCACTTATCTTCAAGCCAGGATGAAGGGAGACTGG 240
Qy 927 GCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTTATGTGGC 986
Db 241 GCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGCGGTATCCATTTATGTGGC 300
Qy 987 CTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACTCATTCAG 1046
Db 301 CTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACTCATTCAG 360
Qy 1047 GGAGCTCTGGTTGCAATATTAGTTGCTGTATATGATCGGATTTCTTCAAGAAAGAACT 1106
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Db 361 GGAGCTCTGGTTGCAATATTAGTTGCTGTATATGATCGGATTTCTTCAAGAAAGAACT 420
Qy 1107 TCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACTCTGCATGAACACCAACAACT 1166
Db 421 TCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACTCTGCATGAACACCAACAACT 480
Qy 1167 GGGAAATCACTATCCGAGCAATCACCAGCCTTGAAGGAGGAGGAGGAGGAGGAGGAGCT 1226
Db 481 GGGAAATCACTATCCGAGCAATCACCAGCCTTGAAGGAGGAGGAGGAGGAGGAGGAGCT 540
Qy 1227 GGCCTGTTTCTAAAGGAAATGATTGCCACAAGGAGGAGGAGGAGGAGGAGGAGGAGCT 1286
Db 541 GGCCTGTTTCTAAAGGAAATGATTGCCACAAGGAGGAGGAGGAGGAGGAGGAGGAGCT 600

RESULT 10
US-10-191-803-154
; Sequence 154, Application US/10191803
; Publication No. US20040014040A1
; GENERAL INFORMATION:
; APPLICANT: MENDRICK, Donna
; APPLICANT: PORTER, Mark
; APPLICANT: JOHNSON, Kory
; APPLICANT: HIGGS, Brandon
; APPLICANT: CASTLE, Arthur
; APPLICANT: ELASHOFF, Michael
; TITLE OF INVENTION: Cardiotoxin Molecular Toxicology Modeling
; FILE REFERENCE: 44921-50900S
; CURRENT APPLICATION NUMBER: US/10/191,803
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/303,819
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/305,623
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/369,351
; PRIOR FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: US 60/377,611
; NUMBER OF SEQ ID NOS: 1140
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 154
; LENGTH: 871
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20040014040A1 NM_022538
US-10-191-803-154

Query Match 32.6%; Score 510; DB 18; Length 871;
Best Local Similarity 76.6%; Pred. No. 6.3e-124;
Matches 666; Conservative 0; Mismatches 195; Indels 9; Gaps 3;

Qy 334 CAGAGACCATGTTTGACAAGACGCGGCTGCGGTACGTGGCCCTCGATGTCGTGTCGTGT 393
Db 5 CTGTGACCATGTTTCGACAAGCCGCGGCTGCGGTACGTGTCCTCGATGTCGATTTGCGTGT 64
Qy 394 TGCTGGCTTCCATGCCATATGGCTGTTCTTAAATTTGGGCCAAATATATCCATTTTCAGAGAG 453
Db 65 TGCTGGCTGGATTGCCCTTTTATAATTTACTTCAAGGCATA---CCCCCTTCCAACGAG 121
Qy 454 GCTTTTCTGTAAAGACAAACAGCATCAACTATCCGTACCATGACAGTACCGCCGCATCCA 513
Db 122 GAGTGTCTGTACTGTATGAGTCCATCAAGTACCCCTTACAGAGAAGACACCATCCCTTATG 181
Qy 514 CTGTCTCATCTCTAGTGGGGTGGCTTGGCTTGGCCGTTTCTCTATTATTCTTGGAGAAACCC 573
Db 182 CGTTATTAGGTGGAATAGTCATTCCATTTCTGTATTATCGTTATGATTACTGGAGAACTC 241
Qy 574 TGTCTGTTTACTGTAACTTTTGCACCTCAAAATTCCTTTATCAGTAATAACTACATAGCCA 633
Db 242 TGTCTGTTTACTTTTAATGTCTTGCATTTCAAATTCCTTTGTGAGCAATCACTATATAGCCA 301
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Qy 1174 ACTATCCGACCAATCACCAGCCTTGAAAGG 1203
| | | | | | | | | | | | | | | | | |
Db 836 GCTACGCAAGGAATCACGAGCCCTGAAGG 865

RESULT 12
US-10-696-639-2825/c
; Sequence 2825, Application US/10696639
; Publication No. US20050037439A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corporation
; APPLICANT: Bourner, Maureen J.
; TITLE OF INVENTION: DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE
; TITLE OF INVENTION: POLYPEPTIDES ENCODED THEREBY, AND METHODS OF USING THE SAME
; FILE REFERENCE: 01040/1
; CURRENT APPLICATION NUMBER: US/10/696,639
; PRIOR FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: 60/422,176
; PRIOR FILING DATE: 2002-10-29
; NUMBER OF SEQ ID NOS: 3114
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2825
; LENGTH: 486
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (240)..(240)
; OTHER INFORMATION: n=unknown
US-10-696-639-2825

Query Match 30.9%; Score 483.4; DB 22; Length 486;
Best Local Similarity 99.6%; Pred. No. 4.9e-117;
Matches 484; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 949 TGCAATTTGGTCTTGTCGGTATCCATTTATGTGGGCCCTTCTCGAGTTTCTGATTATA 1008
| | | | | | | | | | | | | | | | | |
Db 486 TGCAATTTGGTCTTGTCGGTATCCATTTATGTGGGCCCTTCTCGAGTTTCTGATTATA 427
| | | | | | | | | | | | | | | | | |
Qy 1009 AACACCACTGGAGCGATGTTGACTGGACTCATTCAGGGAGCTCTGGTGGCAATATTAG 1068
| | | | | | | | | | | | | | | | | |
Db 426 AACACCACTGGAGCGATGTTGACTGGACTCATTCAGGGAGCTCTGGTGGCAATATTAG 367
| | | | | | | | | | | | | | | | | |
Qy 1069 TTGCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGG 1128
| | | | | | | | | | | | | | | | | |
Db 366 TTGCTGTATATGTATCGGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGG 307
| | | | | | | | | | | | | | | | | |
Qy 1129 AGGACTCTCATACAACCTCTGCATGAACACCAACAACTGGGAATCACTATCCGAGCAATC 1188
| | | | | | | | | | | | | | | | | |
Db 306 AGGACTCTCATACAACCTCTGCATGAACACCAACAACTGGGAATCACTATCCGAGCAATC 247
| | | | | | | | | | | | | | | | | |
Qy 1189 ACCAGCCTTGAAAGGCAGCAGGGTGCCAGGTGAAGCTGGCCTGTTTTCTAAAGGAAAT 1248
| | | | | | | | | | | | | | | | | |
Db 246 ACCAGCNTTGAAAGGCAGCAGGGTGCCAGGTGAAGCTGGCCTGTTTTCTAAAGGAAAT 187
| | | | | | | | | | | | | | | | | |
Qy 1249 GATTGCCACAAGGCAAGAGGATGCATCTTTCTTCTGGTGTAACAAGCCTTTAAAGACTTC 1308
| | | | | | | | | | | | | | | | | |
Db 186 GATTGCCACAAGGCAAGAGGATGCATCTTTCTTCTGGTGTAACAAGCCTTTAAAGACTTC 127
| | | | | | | | | | | | | | | | | |
Qy 1309 TGCTGTGATATGCCTCTTGGATGCACACTTTGTGTGATACATAGTTACCTTTAACTCAGT 1368
| | | | | | | | | | | | | | | | | |
Db 126 TGCTGTGCTATGCCTCTTGGATGCACACTTTGTGTGATACATAGTTACCTTTAACTCAGT 67
| | | | | | | | | | | | | | | | | |
Qy 1369 GGTATCTAATAGCTCTAAACTCATTTAAAAAACTCCAAGCCTTCCACAAAAACAGTGCC 1428
| | | | | | | | | | | | | | | | | |
Db 66 GGTATCTAATAGCTCTAAACTCATTTAAAAAACTCCAAGCCTTCCACAAAAACAGTGCC 7
| | | | | | | | | | | | | | | | | |
Qy 1429 CCACCT 1434
| | | | |
Db 6 CCACCT 1

RESULT 13
US-10-956-157-9858/c
; Sequence 9858, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9858
; LENGTH: 1400
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-9858

Query Match 30.8%; Score 482.8; DB 22; Length 1400;
Best Local Similarity 89.3%; Pred. No. 1.3e-116;
Matches 520; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy 970 TATCCATTTATGTGGGCCCTTTCTCGAGTTTCTGATTATATAACACCACCTGGAGCGATGTGT 1029
| | | | | | | | | | | | | | | | | |
Db 1257 TATCCTTTTGTATTATTTATCTTAGGATGCTGTTGATCACAACCTTTGTATGTAGTTTTT 1198
| | | | | | | | | | | | | | | | | |
Qy 1030 TGACTGGACTCATTCAGGGAGCTCTGGTGGCAATATTAGTTGCTGTATATGATCGGATT 1089
| | | | | | | | | | | | | | | | | |
Db 1197 AACTTGATCTAAATTATACCATTAAATATTTTGCACCTGTAGGCTGTATATGATCGGATT 1138
| | | | | | | | | | | | | | | | | |
Qy 1090 TCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCTGC 1149
| | | | | | | | | | | | | | | | | |
Db 1137 TCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTCTGC 1078
| | | | | | | | | | | | | | | | | |
Qy 1150 ATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCAACCAGCCTTGAAAGGCAGCAG 1209
| | | | | | | | | | | | | | | | | |
Db 1077 ATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCAACCAGCCTTGAAAGGCAGCAG 1018
| | | | | | | | | | | | | | | | | |
Qy 1210 GGTGCCCAGGTGAAGCTGGCCTGTTTTCTTAAAGGAAATGATTTGCCACAGGCAAGAGGA 1269
| | | | | | | | | | | | | | | | | |
Db 1017 GGTGCCCAGGTGAAGCTGGCCTGTTTTCTTAAAGGAAATGATTTGCCACAGGCAAGAGGA 958
| | | | | | | | | | | | | | | | | |
Qy 1270 TGCATCTTTCTTCTCGTGTAACAAGCCTTTAAAGACTTCTGCTGTATATGCCCTCTTGG 1329
| | | | | | | | | | | | | | | | | |
Db 957 TGCATCTTTCTTCTCGTGTAACAAGCCTTTAAAGACTTCTGCTGTATATGCCCTCTTGG 898
| | | | | | | | | | | | | | | | | |
Qy 1330 ATGCACACTTTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC 1389
| | | | | | | | | | | | | | | | | |
Db 897 ATGCACACTTTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC 838
| | | | | | | | | | | | | | | | | |
Qy 1390 TCATTAAAAAAACTCCAAGCCTTCCACAAAAACAGTGCCCCACCTGTATACATTTTTATT 1449
| | | | | | | | | | | | | | | | | |
Db 837 TCATTAAAAAAACTCCAAGCCTTCCACAAAAACAGTGCCCCACCTGTATACATTTTTATT 778
| | | | | | | | | | | | | | | | | |
Qy 1450 AAAAAATGTAATGCTTATGTATAAATGATGTATGTAATGCTTTCTATGAATGATGTTT 1509
| | | | | | | | | | | | | | | | | |
Db 777 AAAAAATGTAATGCTTATGTATAAATGATGTATGTAATGCTTTCTATGAATGATGTTT 718
| | | | | | | | | | | | | | | | | |
Qy 1510 GATTTAAATATAATACATATTAAAAATGATGGGAGAACCAAA 1551
| | | | | | | | | | | | | | | | | |
Db 717 GATTTAAATATAATACATATTAAAAATGATGGGAGAACCAAA 676
| | | | | | | | | | | | | | | | | |

RESULT 14
US-10-956-157-4623/c
; Sequence 4623, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH


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; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4623
; LENGTH: 3947
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-4623

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Query Match		30.8%;	Score 482.8;	DB 22;	Length 3947;
Best Local Similarity		89.3%;	Pred. No. 2.5e-116;		
Matches 520;	Conservative	0;	Mismatches 62;	Indels	0; Gaps 0;
QY	970	TATCCATTATGTGGGCCCTTTCTCGAGTTTCTGATTATATAAACACCACTGGAGCGATGTG	1029		
Db	3804	TATCCTTTTGTATATTTATCTTAGGATGCTTGTGATCACAACCTTGTATGTAGTTTTT	3745		
QY	1030	TGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTATCGGATT	1089		
Db	3744	AAC TTGATCTAAATTATACCATTAATAATTTTGCAC TGTAGCTGTATATGTATCGGATT	3685		
QY	1090	TCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCTATACAACCTCTGC	1149		
Db	3684	TCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCTATACAACCTCTGC	3625		
QY	1150	ATGAAACACCAACAACTGGGAATCACTATCCGAGCAATCACAGCCTTGAAAGGCAGCAG	1209		
Db	3624	ATGAAACACCAACAACTGGGAATCACTATCCGAGCAATCACAGCCTTGAAAGGCAGCAG	3565		
QY	1210	GGTGCCCGAGTGGAAGCTGGCCTGTTTTCTTAAAGGAAAATGATTGCCACAAGGCAAGAGGA	1269		
Db	3564	GGTGCCCGAGTGGAAGCTGGCCTGTTTTCTTAAAGGAAAATGATTGCCACAAGGCAAGAGGA	3505		
QY	1270	TGCATCTTTCTTCTGCTGTGTACAAGCCTTTTAAAGACTTCTGCTGCTGATATGCCCTCTTGG	1329		
Db	3504	TGCATCTTTCTTCTGCTGTGTACAAGCCTTTTAAAGACTTCTGCTGCTGCTATGCCCTCTTGG	3445		
QY	1330	ATGCACACTTTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC	1389		
Db	3444	ATGCACACTTTGTGTGTACATAGTTACCTTTAACTCAGTGGTTATCTAATAGCTCTAAAC	3385		
QY	1390	TCATTAAAAAACTCCAAGCCTTCCACCAAAACAGTGCCCACTGTATACATTTTTTATT	1449		
Db	3384	TCATTAAAAAACTCCAAGCCTTCCACCAAAACAGTGCCCACTGTATACATTTTTTATT	3325		
QY	1450	AAAAAATGTAATGCTTATGTATAAAACATGTATGTAATATGCTTTCTATGAATGATGTTT	1509		
Db	3324	AAAAAATGTAATGCTTATGTATAAAACATGTATGTAATATGCTTTCTATGAATGATGTTT	3265		
QY	1510	GATTTAAATATAATACATATTAAAAATGTATGGGAGAACCCAAA	1551		
Db	3264	GATTTAAATATAATACATATTAAAAATGTATGGGAGAACCCAAA	3223		

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RESULT 15
US-09-764-847-1965
; Sequence 1965, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009
; CURRENT APPLICATION NUMBER: US/09/764,847
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2003
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1965
; LENGTH: 26197
; TYPE: DNA

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; ORGANISM: Homo sapiens
US-09-764-847-1965

Query Match      30.8%; Score 482.8; DB 9; Length 26197;
Best Local Similarity 89.3%; Pred. No. 7.7e-116;
Matches 520; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 970 TATCCATTATGTGGGCTTTCTCGAGTTTCTGATTATAAACAACCACTGGAGCGATGTGT 1029
      ||||| ||| | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 992 TATCCTTTGTTTATAATTATCTTAGGATGCTGTGTATCAACAACCTTTGTATGTATTTT 1051

QY 1030 TGACTGGACTCATTCAGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGTATCGGATT 1089
      || ||| ||| | | | | | | | | | | | | | | | | | | | | | | | |
Db 1052 AACTTGATCTAAATTATACCATTAATAATATTTTGCACTGTAGGCTGTATATGTATCGGATT 1111

QY 1090 TCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTGTC 1149
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1112 TCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAGAGGAGGACTCTCATACAACCTGTC 1171

QY 1150 ATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCAACCAGCCTTGAAAGGCAGCAG 1209
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1172 ATGAAACACCAACAACCTGGGAATCACTATCCGAGCAATCAACCAGCCTTGAAAGGCAGCAG 1231

QY 1210 GGTGCCAGGTGAAGCTGGCCCTGTTTTCTAAAGGAAAAATGATTGCCACAAGGCCAAGAGGA 1269
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1232 GGTGCCAGGTGAAGCTGGCCCTGTTTTCTAAAGGAAAAATGATTGCCACAAGGCCAAGAGGA 1291

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QY 1450 AAAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTCATGAATGATGTTT 1509
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Search completed: November 12, 2005, 02:54:44
Job time : 1376.71 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 11, 2005, 06:34:39 ; Search time 236.321 Seconds
(without alignments)
9430.425 Million cell updates/sec

Title: US-08-842-827-5
Perfect score: 1362
Sequence: 1 GGCGCAGCTCTGCAAAAGTT.....TTTTAAAAAAAAAAAAAAA 1362

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	214.8	15.8	1315	3	US-08-992-035A-2
3	212.6	15.6	1303	4	US-09-566-921-117
4	115.2	8.5	434	4	US-09-702-705-1590
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6	115.2	8.5	434	4	US-09-614-124B-1590
7	115.2	8.5	434	4	US-09-671-325-1590
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24	63.2	4.6	204	4	US-09-270-767-24265
25	53.2	3.9	7218	1	US-08-232-463-14
26	51.8	3.8	113	4	US-09-016-434-282
27	47.2	3.5	696	4	US-09-902-540-9100

c	28	47.2	3.5	10318	4	US-09-902-540-973	Sequence 973, App
	29	46.4	3.4	151	3	US-09-439-313-316	Sequence 316, App
	30	46.4	3.4	151	3	US-09-352-616A-316	Sequence 316, App
	31	46.4	3.4	151	3	US-09-232-149A-316	Sequence 316, App
	32	46.4	3.4	151	4	US-09-636-215-316	Sequence 316, App
	33	46.4	3.4	151	4	US-09-685-166A-316	Sequence 316, App
	34	46.4	3.4	151	4	US-09-688-489-316	Sequence 316, App
	35	46.4	3.4	151	4	US-09-679-426-316	Sequence 316, App
	36	46.4	3.4	151	4	US-09-759-143-316	Sequence 316, App
	37	46.4	3.4	151	4	US-09-651-236-316	Sequence 316, App
	38	46.4	3.4	1674	4	US-09-902-540-7458	Sequence 7458, Ap
	39	46.4	3.4	4387	4	US-09-902-540-721	Sequence 721, App
	40	45.2	3.3	253	4	US-09-016-434-301	Sequence 301, App
c	41	44.8	3.3	6453	1	US-08-306-691B-14	Sequence 14, Appl
c	42	44.8	3.3	6453	3	US-09-209-668-10	Sequence 10, Appl
c	43	44.8	3.3	6453	3	US-09-356-952-8	Sequence 8, Appl
	44	44.2	3.2	1304	4	US-09-902-540-2596	Sequence 2596, Ap
	45	44.2	3.2	16584	4	US-09-902-540-1119	Sequence 1119, Ap

ALIGNMENTS

RESULT 1
US-09-016-434-286
; Sequence 286, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 286:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PROSNOT14
; CLONE: 1723675
US-09-016-434-286

Query Match 15.9%; Score 217; DB 4; Length 217;
Best Local Similarity 100.0%; Pred. No. 2.6e-50;

Best Local Similarity 61.8%; Pred. No. 7.2e-22;
Matches 183; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

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Qy 894 TCCTTCTCCATGTACACTATGCTGTATTTGGTGTCTATACCTGCAGGCCCGCTTCACTTGG 953
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Qy 954 CGAGGAGCCCGCTGCTCCGGCCCTCCTGCGAGTTCACCTTGATCATGATGGCCTTCTAC 1013
Db 133 AAGTGGGCACGGCTGCTCGACCCACAGTCCAGTTCTTCTGGTGGCCTTTGCCCTCTAC 192

Qy 1014 ACGGACTGTCTCGCGTATCAGACCACCAAGCACCATCCAGTGTATGTTCTGGCAGGATTT 1073
Db 193 GTGGGTACACCCGCGTGTCTGATTACAAACACCACCTGGAGCGATGTCCTTGTGGCCTC 252

Qy 1074 GCTCAAGGAGCCCTGGTGGCCTGCTGCAATAGTTTCTTGGTGTCTGACCTTCTCAA 1129
Db 253 CTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGTACATCTCAGACTTCTTCAA 308

RESULT 6

US-09-614-124B-1590
; Sequence 1590, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1590
; LENGTH: 434
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(434)
; OTHER INFORMATION: n = A,T,C or G
US-09-614-124B-1590

Query Match 8.5%; Score 115.2; DB 4; Length 434;
Best Local Similarity 61.8%; Pred. No. 7.2e-22;
Matches 183; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

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Qy 1014 ACGGACTGTCTCGCGTATCAGACCACCAAGCACCATCCAGTGTATGTTCTGGCAGGATTT 1073
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RESULT 7
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; Sequence 1590, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1590
; LENGTH: 434
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(434)
; OTHER INFORMATION: n = A,T,C or G
US-09-671-325-1590

Query Match 8.5%; Score 115.2; DB 4; Length 434;
Best Local Similarity 61.8%; Pred. No. 7.2e-22;
Matches 183; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

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Qy 1074 GCTCAAGGAGCCCTGGTGGCCTGCTGTCATAGTTTTTCTTCTGTCGACCTCTTCAA 1129
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US-09-658-824-1590
; Sequence 1590, Application US/09658824
; Patent No. 6746846
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick


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US-09-658-824-273
; Sequence 273, Application US/09658824
; Patent No. 6746846
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GENERAL INFORMATION:

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; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.478C11

; CURRENT APPLICATION NUMBER: US/09/658,824

; CURRENT FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 1788

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 273

; LENGTH: 472

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-658-824-273

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Best Local Similarity 61.5%; Pred. No. 2.1e-21;
Matches 182; Conservative 0; Mismatches 114; Indels 0; Gaps 0;
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Qy 1014 ACGGACTGTCTCGGTATCAGACCACCAAGCACCATCCAGTGTATTTCTGACCTCTTCAA 1073
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US-09-702-705-342

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; Sequence 342, Application US/09702705
; Patent No. 6504010
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GENERAL INFORMATION:

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; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
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; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(472)
; OTHER INFORMATION: n = A,T,C or G
US-09-702-705-342
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Best Local Similarity 60.8%; Pred. No. 1.1e-20;
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Qy 1014 ACGGACTGTCTCGGTATCAGACCACCAAGCACCATCCAGTGTATTTCTGGCAGGATTT 1073
Db 193 GTGGGCTACACCGCGTGTCTGATTACAAACACCACCTGGAGCGATGTCTTGTGGCCTC 252
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

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(without alignments)
9461.850 Million cell updates/sec

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Perfect score: 1362
Sequence: 1 GGCGCAGCTCTGCAAAAGTT.....TTTTAAAAA 1362

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9794790 seqs, 4134909567 residues

Total number of hits satisfying chosen parameters: 19589580

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
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- 24: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq2:*
- 25: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
- 26: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1356.2	99.6	3162	14	US-10-044-090-607 Sequence 607, App
3	1215.4	89.2	1445	20	US-10-717-597-65 Sequence 65, Appl
4	1205	88.5	1444	9	US-09-880-107-3434 Sequence 3434, Ap
5	1193	87.6	1597	15	US-10-116-802-219 Sequence 219, App

6	655	48.1	919	19	US-10-332-859-331	Sequence 331, App
7	612.2	44.9	804	19	US-10-332-859-217	Sequence 217, App
8	444	32.6	486	10	US-09-918-995-31572	Sequence 31572, A
9	441.8	32.4	538	9	US-09-878-178-2091	Sequence 2091, Ap
10	441.8	32.4	538	14	US-10-046-935-2091	Sequence 2091, Ap
11	441.8	32.4	538	15	US-10-146-502-2091	Sequence 2091, Ap
12	434.4	31.9	490	10	US-09-918-995-29157	Sequence 29157, A
13	430.6	31.6	437	10	US-09-918-995-29158	Sequence 29158, A
14	358.8	26.3	374	18	US-10-242-535A-3210	Sequence 3210, Ap
15	358.8	26.3	374	19	US-10-085-783A-3210	Sequence 3210, Ap
16	277	20.3	301	18	US-10-242-535A-32534	Sequence 32534, A
17	277	20.3	301	19	US-10-085-783A-32534	Sequence 32534, A
18	265.4	19.5	267	18	US-10-242-535A-28930	Sequence 28930, A
19	265.4	19.5	267	19	US-10-085-783A-28930	Sequence 28930, A
20	217	15.9	217	18	US-10-305-720-286	Sequence 286, App
21	212.6	15.6	1303	24	US-10-765-700-117	Sequence 117, App
22	211.8	15.6	871	18	US-10-191-803-154	Sequence 154, App
23	211.8	15.6	871	19	US-10-152-319A-1795	Sequence 1795, Ap
24	211.8	15.6	1703	21	US-10-357-930-25877	Sequence 25877, A
25	211	15.5	1269	20	US-10-647-426-25	Sequence 25, Appl
26	208.4	15.3	1566	24	US-10-764-425-61	Sequence 61, Appl
27	204	15.0	1301	24	US-10-491-467-101	Sequence 101, App
28	202.6	14.9	1043	20	US-10-647-426-21	Sequence 21, Appl
29	202.6	14.9	1043	21	US-10-643-795A-57	Sequence 57, Appl
30	202.6	14.9	1043	22	US-10-948-518-57	Sequence 57, Appl
31	202.6	14.9	1043	22	US-10-956-157-1105	Sequence 1105, Ap
32	198	14.5	283	20	US-10-430-201-331	Sequence 331, App
33	198	14.5	283	20	US-10-430-201-332	Sequence 332, App
34	197.4	14.5	231	18	US-10-242-535A-30815	Sequence 30815, A
35	197.4	14.5	231	19	US-10-085-783A-30815	Sequence 30815, A
36	185	13.6	1096	19	US-10-287-226-345	Sequence 345, App
37	185	13.6	1388	19	US-10-287-226-347	Sequence 347, App
38	164.2	12.1	600	22	US-10-956-157-6340	Sequence 6340, Ap
39	154.6	11.4	215	18	US-10-242-535A-1258	Sequence 1258, Ap
40	154.6	11.4	215	19	US-10-085-783A-1258	Sequence 1258, Ap
41	129.2	9.5	1584	26	US-11-097-143-2045	Sequence 2045, Ap
42	115.2	8.5	434	9	US-09-736-457-1590	Sequence 1590, Ap
43	115.2	8.5	434	9	US-09-902-941-1590	Sequence 1590, Ap
44	115.2	8.5	434	9	US-09-849-626-1590	Sequence 1590, Ap
45	115.2	8.5	434	15	US-10-017-754-1590	Sequence 1590, Ap

ALIGNMENTS

RESULT 1

US-10-647-426-20
; Sequence 20, Application US/10647426
; Publication No. US20040110197A1
; GENERAL INFORMATION:
; APPLICANT: Skinner, Michael K.
; APPLICANT: Patton, Jodi L.
; TITLE OF INVENTION: A METHOD OF DETERMINING TUMOR CHARACTERISTICS BY
; DETERMINING ABNORMAL COPY NUMBER OR EXPRESSION LEVEL OF
; TITLE OF INVENTION: DETERMINING ABNORMAL COPY NUMBER OR EXPRESSION LEVEL OF
; TITLE OF INVENTION: LIPID-ASSOCIATED GENES
; FILE REFERENCE: PATRICK EAGLEMAN: EMBOL-X 252/124
; CURRENT APPLICATION NUMBER: US/10/647,426
; CURRENT FILING DATE: 2003-08-26
; PRIOR APPLICATION NUMBER: US/09/676,052
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 1362
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1362)
; OTHER INFORMATION: The sequence of the cDNA coding for Phosphatidic
; OTHER INFORMATION: Acid Phosphatase type 2B
US-10-647-426-20

Query Match		100.0%;	Score 1362;	DB 20;	Length 1362;		
Best Local Similarity		100.0%;	Pred. No. 0;				
Matches 1362;		Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;		
QY	1	GGCGCAGCTCTGCAAAAGTTTCTGCTCGGGATCTGGCTCTCTTCCCCTTGGACTTTAGAA	60				
Db	1	GGCGCAGCTCTGCAAAAGTTTCTGCTCGGGATCTGGCTCTCTTCCCCTTGGACTTTAGAA	60				
QY	61	CGATTTAGGGTTGACAGAGGAAGCAGAGCGCGCAGGAGGAGCAGAAAAACACCACCTTC	120				
Db	61	CGATTTAGGGTTGACAGAGGAAGCAGAGCGCGCAGGAGGAGCAGAAAAACACCACCTTC	120				
QY	121	TGCAGTTGAGGCAGGCAGCCCCGGCTGCACTCTAGCCCGCGCGCCCGGAGCCGGGGCGG	180				
Db	121	TGCAGTTGAGGCAGGCAGCCCCGGCTGCACTCTAGCCCGCGCGCCCGGAGCCGGGGCGG	180				
QY	181	ACCCGCCACTATCCGCAGCAGCCTCGGCCAGGAGCGCACCCGGCGCCTTGGGTGTGTGC	240				
Db	181	ACCCGCCACTATCCGCAGCAGCCTCGGCCAGGAGCGCACCCGGCGCCTTGGGTGTGTGC	240				
QY	241	TGCTGTTGCGGACGTCTTCGCGGGGGCGGAGGCTCGCGCGCAGCCAGCGCCATGCAAA	300				
Db	241	TGCTGTTGCGGACGTCTTCGCGGGGGCGGAGGCTCGCGCGCAGCCAGCGCCATGCAAA	300				
QY	301	ACTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGGCGGCGAGCCGGCGCTCA	360				
Db	301	ACTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGGCGGCGAGCCGGCGCTCA	360				
QY	361	ACAACAACCCGAGGAGGAGCGGCAGCAAGCGGGTGCTGCTCATCTGCCTCGACCTCTTCT	420				
Db	361	ACAACAACCCGAGGAGGAGCGGCAGCAAGCGGGTGCTGCTCATCTGCCTCGACCTCTTCT	420				
QY	421	GCCTCTTCATGGCGGGCCTCCCTTCTCATCATCGAGACCAATCAAGCCTTACC	480				
Db	421	GCCTCTTCATGGCGGGCCTCCCTTCTCATCATCGAGACCAATCAAGCCTTACC	480				
QY	481	ACCGAGGGTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAACTGGTGAGACAA	540				
Db	481	ACCGAGGGTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAACTGGTGAGACAA	540				
QY	541	TAAATGACGCTGTGCTGTGCCGTGGGATCGTCATTGCCATCCTCGGATCATCACGG	600				
Db	541	TAAATGACGCTGTGCTGTGCCGTGGGATCGTCATTGCCATCCTCGGATCATCACGG	600				
QY	601	GGGAATTTACCGGATCTATTACCTGAAGAGTCGGGTGCGATTCAGAAACCCCTACG	660				
Db	601	GGGAATTTACCGGATCTATTACCTGAAGAGTCGGGTGCGATTCAGAAACCCCTACG	660				
QY	661	TGGCAGCACTCTATAAGCAAGTGGGCTGCTTCTTTGGCTGTGCCATCAGCCAGTCTT	720				
Db	661	TGGCAGCACTCTATAAGCAAGTGGGCTGCTTCTTTGGCTGTGCCATCAGCCAGTCTT	720				
QY	721	TCACAGACATTGCCAAAGTGTCATAGGGCGCTGCGTCTCACTTCTTGAGTGTCTGCA	780				
Db	721	TCACAGACATTGCCAAAGTGTCATAGGGCGCTGCGTCTCACTTCTTGAGTGTCTGCA	780				
QY	781	ACCCTGATTTACGCCAGATCAACTGCTCTGAAGGCTACATTCAGAACTACAGATGCAG	840				
Db	781	ACCCTGATTTACGCCAGATCAACTGCTCTGAAGGCTACATTCAGAACTACAGATGCAG	840				
QY	841	GTGATGACAGCAAAAGTCCAGGAAGCCAGGAAGTCCTTCTCTGGCCATGCTCTTCT	900				
Db	841	GTGATGACAGCAAAAGTCCAGGAAGCCAGGAAGTCCTTCTCTGGCCATGCTCTTCT	900				
QY	901	CCATGTACACTATGTGTAATTGGTGTCTATACCTGCAGGCCGCTTCACTTGGCGAGG	960				
Db	901	CCATGTACACTATGTGTAATTGGTGTCTATACCTGCAGGCCGCTTCACTTGGCGAGG	960				
QY	961	CCCGCCTGCTCCGGCCCCCTCTGCAGTTACCTTGATCATGATGGCCTTCTACACGGGAC	1020				
Db	961	CCCGCCTGCTCCGGCCCCCTCTGCAGTTACCTTGATCATGATGGCCTTCTACACGGGAC	1020				
QY	1021	TGCTCTCGCGTATCAGACCAAGCAACCATCCAGTGTATTCTGGCAGGATTTGCTCAAG	1080				

Db	1021	TG TCTCGCGTATCAGACCACAAGCACCATCCAGTGATGTTCTGGCAGGATTTGCTCAAG	1080
QY	1081	GAGCCCTGGTGGCTGCTGCATAGTTTCTTTCGTGTCCTGACCTCTTCAAGACTAAGACGA	1140
Db	1081	GAGCCCTGGTGGCTGCTGCATAGTTTCTTTCGTGTCCTGACCTCTTCAAGACTAAGACGA	1140
QY	1141	CGCTCTCCCTGCCCTGCCCTGCTATCCGGAAGGAAATCCTTTTCACCTGTGGACATTAATG	1200
Db	1141	CGCTCTCCCTGCCCTGCCCTGCTATCCGGAAGGAAATCCTTTTCACCTGTGGACATTAATG	1200
QY	1201	ACAGGAACAATCACCAACAATGATGTAGGTGCCACCACCTCCTGAGCTGTTTTTGTAA	1260
Db	1201	ACAGGAACAATCACCAACAATGATGTAGGTGCCACCACCTCCTGAGCTGTTTTTGTAA	1260
QY	1261	AATGACTGCTGACAGCAAGTTCTTGCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGG	1320
Db	1261	AATGACTGCTGACAGCAAGTTCTTGCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGG	1320
QY	1321	GAAAAAATTTTGCCCGACTGATTTTAAAAAATAAAAAA	1362
Db	1321	GAAAAAATTTTGCCCGACTGATTTTAAAAAATAAAAAA	1362

RESULT 2

US-10-044-090-607

; Sequence 607, Application US/10044090

; Publication No. US20020137081A1

; GENERAL INFORMATION:

; APPLICANT: Olga Bandman

; TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION

; FILE REFERENCE: PA-0028 US

; CURRENT APPLICATION NUMBER: US/10/044,090

; CURRENT FILING DATE: 2002-01-09

; NUMBER OF SEQ ID NOS: 850

; SOFTWARE: PERL Program

; SEQ ID NO 607

; LENGTH: 3162

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: Incyte ID No. US20020137081A1 1723675CB1

US-10-044-090-607

QY 362 CAACAACCCGAGGAGCGGAGCAAGCGGGTGTCTCATCTGCCTCGACCTCTTCTG 421
Db |||||
QY 501 CAACAACCCGAGGAGCGGAGCAAGTGGTGTCTCATCTGCCTCGACCTCTTCTG 560
Db |||||
QY 422 CCTCTTCATGGGGGCTCCCTTCTCATCATCGAGACAAGCACCATCAAGCCTTACCA 481
Db |||||
QY 561 CCTCTTCATGGGGGCTCCCTTCTCATCATCGAGACAAGCACCATCAAGCCTTACCA 620
Db |||||
QY 482 CCGAGGTTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAAT 541
Db |||||
QY 621 CCGAGGTTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAAT 680
Db |||||
QY 542 AAATGACGCTGTCTCTGTGCGGTGGGATCGTCAATGGCATCCTCGGATCATCACGGG 601
Db |||||
QY 681 AAATGACGCTGTCTGTGCGGTGGGATCGTCAATGGCATCCTCGGATCATCACGGG 740
Db |||||
QY 602 GGAATTTCTACCGGATCTATTACCTGAAGAAGTCGGGTGAGAGTTCAGAACCCCTACGT 661
Db |||||
QY 741 GGAATTTCTACCGGATCTATTACCTGAAGAAGTCGGGTGAGAGTTCAGAACCCCTACGT 800
Db |||||
QY 662 GGCAGCACTCTATAAGCAAGTGGGCTGCTTCTCTTTGGTGTGCCATCAGCAGTCTTT 721
Db |||||
QY 801 GGCAGCACTCTATAAGCAAGTGGGCTGCTTCTCTTTGGTGTGCCATCAGCAGTCTTT 860
Db |||||
QY 722 CACAGACATTGCCAAAGTGTCCATAGGGCGCTGCGTCTCTACTTCTTGGTGTCTGCAA 781
Db |||||
QY 861 CACAGACATTGCCAAAGTGTCCATAGGGCGCTGCGTCTCTACTTCTTGGTGTCTGCAA 920
Db |||||
QY 782 CCCTGATTTTCAGCCAGATCAACTGCTCTGAAGGCTACATTGAGAACTACAGATGAGAGG 841
Db |||||
QY 921 CCCTGATTTTCAGCCAGATCAACTGCTCTGAAGGCTACATTGAGAACTACAGATGAGAGG 980
Db |||||
QY 842 TGATGACAGCAAGTCCAGGAAGCCAGGAAGTCTTCTTCTTGGCCATGCTCTCTC 901
Db |||||
QY 981 TGATGACAGCAAGTCCAGGAAGCCAGGAAGTCTTCTTCTTGGCCATGCTCTCTC 1040
Db |||||
QY 902 CATGTACACTATGCTGATTTGGTGTCTATACCTGCAGGCCGCTTCACTTGGCGAGGAGC 961
Db |||||
QY 1041 CATGTACACTATGCTGATTTGGTGTCTATACCTGCAGGCCGCTTCACTTGGCGAGGAGC 1100
Db |||||
QY 962 CCGCCTGCTCGGCCCTCCTGCAAGTTCACCTGATGATGATGATGATGATGATGATGATGAT 1021
Db |||||
QY 1101 CCGCCTGCTCGGCCCTCCTGCAAGTTCACCTGATGATGATGATGATGATGATGATGATGAT 1160
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QY 1022 GTCTCGGTATCAGACCAACAGCACCATCCAGTGTATGTTCTGGCAGGATTTGCTCAAGG 1081
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QY 1161 GTCTCGGTATCAGACCAACAGCACCATCCAGTGTATGTTCTGGCAGGATTTGCTCAAGG 1220
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QY 1082 AGCCTGTGGCCTGCTGCATAGTTTCTTCGTGTCTGACCTCTTCAAGACTAAGACGAC 1141
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QY 1221 AGCCTGTGGCCTGCTGCATAGTTTCTTCGTGTCTGACCTCTTCAAGACTAAGACGAC 1280
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QY 1142 GCTCTCCCTGCTGCCCTGCTATCCGGAAGGAAATCCTTTCACCTGTGGACATTATTGA 1201
Db |||||
QY 1281 GCTCTCCCTGCTGCCCTGCTATCCGGAAGGAAATCCTTTCACCTGTGGACATTATTGA 1340
Db |||||
QY 1202 CAGGAACAATCACCACACATGATGTAGTGCACCCACCTCCTGAGCTGTTTGTGAAA 1261
Db |||||
QY 1341 CAGGAACAATCACCACACATGATGTAGTGCACCCACCTCCTGAGCTGTTTGTGAAA 1400
Db |||||
QY 1262 ATGACTGCTGACAGCAAGTCTGTCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGG 1321
Db |||||
QY 1401 ATGACTGCTGACAGCAAGTCTGTCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGG 1460
Db |||||
QY 1322 AAAAACTTTTGCCCGACTGATTTTAAAAAAGGAAAAA 1362
Db |||||
QY 1461 AAAAACTTTTGCCCGACTGATTTTAAAAAAGGAAAAA 1501
Db |||||

RESULT 3
US-10-717-597-65
; Sequence 65, Application US/10717597
; Publication No. US20040110221A1

; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Burczynski, Michael E.
; APPLICANT: Twine, Natalie C.
; APPLICANT: Dörner, Andrew J.
; APPLICANT: Trepicchio, William L.
; APPLICANT: Stonim, Donna K.
; APPLICANT: Stover, Jennifer A.
; TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
; FILE REFERENCE: AM101080L
; CURRENT APPLICATION NUMBER: US/10/717,597
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: US 60/459,782
; PRIOR FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: US 60/427,982
; PRIOR FILING DATE: 2002-11-21
; NUMBER OF SEQ ID NOS: 4904
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 65
; LENGTH: 1445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-717-597-65

Query Match 89.2%; Score 1215.4; DB 20; Length 1445;
Best Local Similarity 95.0%; Pred. No. 0;
Matches 1293; Conservative 0; Mismatches 1; Indels 67; Gaps 1;
QY 2 GCGCAGCTCTGCAAAAGTTTCTGCTCGGATCTGGCTCTCTCCCTTGGACTTTAGAAC 61
Db |||||
QY 150 GCGCAGCTCTGCAAAAGTTTCTGCTCGGATCTGGCTCTCTCCCTTGGACTTTAGAAC 209
Db |||||
QY 62 GATTAGGTTGACAGAGGAAAGCAGAGCGCGCAGGAGAGCAGAAAAACACCACTTCT 121
Db |||||
QY 210 GATTAGGTTGACAGAGGAAAGCAGAGCGCGCAGGAGAGCAGAAAAACACCACTTCT 269
Db |||||
QY 122 GCAGTTGGAGGCAGGCGCCCGGCTGCACTCTAGCCGCGCGCGGAGCGGGGCGGA 181
Db |||||
QY 270 GCAGTTGGAGGCAGGCGCCCGGCTGCACTCTAGC----- 305
Db |||||
QY 182 CCGCCACTATCCGAGCAGCCTCGGCCAGGAGGCGACCGCGGCGCTGGTGTGGCT 241
Db |||||
QY 306 -----CGCCTGGGTGTGGCT 322
Db |||||

QY 242 GCTGTGGGGACGTCTTCGCGGGGCGGAGGCTCGCGCGCAGCCAGCCCATGCAAAA 301
Db |||||
QY 323 GCTGTGGGGACGTCTTCGCGGGGCGGAGGCTCGCGCGCAGCCAGCCCATGCAAAA 382
Db |||||
QY 302 CTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGGCGGCGCTCAA 361
Db |||||
QY 383 CTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGGCGGCGCTCAA 442
Db |||||
QY 362 CAACAACCGAGGAGGAGCGGCGAGCAAGCGGCTGCTCATCTGCCTCGACCTCTTCTG 421
Db |||||
QY 443 CAACAACCGAGGAGGAGCGGCGAGCAAGCGGCTGCTCATCTGCCTCGACCTCTTCTG 502
Db |||||
QY 422 CCTCTTCATGGCGGCTCCCTTCTCTCATCATCGAGACAAGCACCATCAAGCCTTACCA 481
Db |||||
QY 503 CCTCTTCATGGCGGCTCCCTTCTCTCATCATCGAGACAAGCACCATCAAGCCTTACCA 562
Db |||||
QY 482 CCGAGGTTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAAT 541
Db |||||
QY 563 CCGAGGTTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAAT 622
Db |||||
QY 542 AAATGACGCTGTCTGTGCGGTGGGATCGTCAATTGGCATCCTCGCGATCATCACGGG 601
Db |||||
QY 623 AAATGACGCTGTCTGTGCGGTGGGATCGTCAATTGGCATCCTCGCGATCATCACGGG 682
Db |||||
QY 602 GGAATTTACCGGATCTATTACCTGAAGAAGTCGGGTGAGCGATTTCAGAACCCCTACGT 661
Db |||||
QY 683 GGAATTTACCGGATCTATTACCTGAAGAAGTCGGGTGAGCGATTTCAGAACCCCTACGT 742
Db |||||
QY 662 GGCAGCACTCTATAAGCAAGTGGGCTGCTTCTCTTTGGCTGTGCCATCAGCCAGTCTTT 721
Db |||||

Db 743 GGCAGCACTCTATAAGCAAGTGGGCTGCTCTCTTTGGTGTGCCATCAGCCAGTCTTT 802
Qy 722 CACAGACATTGCCAAAGTGTCCATAGGCGCCTGCGTCTCATTCTTGAAGTGTCTGCAA 781
Db 803 CACAGACATTGCCAAAGTGTCCATAGGCGCCTGCGTCTCATTCTTGAAGTGTCTGCAA 862
Qy 782 CCCTGATTTAGCCAGATCAACTGCTCTGAAGGCTACATTCAAGAACTACAGATGCAGAGG 841
Db 863 CCCTGATTTAGCCAGATCAACTGCTCTGAAGGCTACATTCAAGAACTACAGATGCAGAGG 922
Qy 842 TGATGACAGCAAAAGTCCAGGAAGCCAGGAAGTCTTCTTCTCTGGCCATGCCTCCTTCTC 901
Db 923 TGATGACAGCAAAAGTCCAGGAAGCCAGGAAGTCTTCTTCTCTGGCCATGCCTCCTTCTC 982
Qy 902 CATGTACACTATGCTGATTTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGC 961
Db 983 CATGTACACTATGCTGATTTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGC 1042
Qy 962 CCGCCTGCTCCGGCCCTCTGTCAGTTCACTTGATCATGATGGCCTTCTACACGGGACT 1021
Db 1043 CCGGCTGCTCCGGCCCTCTGTCAGTTCACTTGATCATGATGGCCTTCTACACGGGACT 1102
Qy 1022 GTCTCGGTATCAGACCAAGCACCATCCAGTGTATGTTCTGGCAGGATTTGCTCAAGG 1081
Db 1103 GTCTCGGTATCAGACCAAGCACCATCCAGTGTATGTTCTGGCAGGATTTGCTCAAGG 1162
Qy 1082 AGCCCTGGTGGCCTGCTGCATAGTTTCTTCTGCTGTCTGACCTCTTCAAGACTAAGACGAC 1141
Db 1163 AGCCCTGGTGGCCTGCTGCATAGTTTCTTCTGCTGTCTGACCTCTTCAAGACTAAGACGAC 1222
Qy 1142 GCTCTCCCTGCCCTGCCCTGCTATCCGGAAGGAAATCCTTTTCACTGTGGACATTAATGA 1201
Db 1223 GCTCTCCCTGCCCTGCCCTGCTATCCGGAAGGAAATCCTTTTCACTGTGGACATTAATGA 1282
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Qy 1262 ATGACTGCTGACAGCAAGTCTTGTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGG 1321
Db 1343 ATGACTGCTGACAGCAAGTCTTGTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGG 1402
Qy 1322 AAAAACTTTTGGCCGACTGATTTTAAAAAANAAAAA 1362
Db 1403 AAAAACTTTTGGCCGACTGATTTTAAAAAANAAAAA 1443

RESULT 4
US-09-880-107-3434
; Sequence 3434, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3434
; LENGTH: 1444
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U79294

US-09-880-107-3434
Query Match 88.5%; Score 1205; DB 9; Length 1444;
Best Local Similarity 95.0%; Pred. No. 0;
Matches 1293; Conservative 0; Mismatches 0; Indels 68; Gaps 2;
Qy 2 GCGCAGCTCTGCAAAAGTTTCTGCTCGGATCTGGCTCTTCCCTTGGACTTTAGAAC 61
Db 150 GCGCAGCTCTGCAAAAGTTTCTGCTCGGATCTGGCTCTTCCCTTGGACTTTAGAAC 209
Qy 62 GATTAGGTTTGACAGAGAAAGCAGAGGCGCGCAGAGGAGCAGAAAAACACCCTTCT 121
Db 210 GATTAGGTTTGACAGAGAAAGCAGAGGCGCGCAGAGGAGCAGAAAAACACCCTTCT 269
Qy 122 GCAGTTGGAGGCAGGCCCGCTGCTACTCTAGCCCGCGCCCGGAGCCGGGGCCGA 181
Db 270 GCAGTTGGAGGCAGGCCCGCTGCTACTCTAGC----- 305
Qy 182 CCGCCACTATCCGCAGCAGCCTCGGCCAGGAGGCCCGGCCCTGGGTGTGGCT 241
Db 306 -----CGCCTGGGTGTGGCT 322
Qy 242 GCTGTTGGGACGCTTTCGCGGGCGGAGGCTCGCGCCGAGCCAGCCCATGCAAAA 301
Db 323 GCTGTTGGGACGCTTTCGCGGGCGGAGGCTCGCGCCGAGCCAGCCCATGCAAAA 382
Qy 302 CTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGGCGGCGAGCCCGGCTCAA 361
Db 383 CTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGGCGGCGAGCCCGGCTCAA 442
Qy 362 CAACACCCGAGGAGCGGCGAGCAAGCGGCTCATCGAGACAAGCACCATCAAGCCTTACCA 421
Db 443 CAACACCCGAGGAGCGGCGAGCAAGCGGCTCATCTGCTCGACCTCTTCTG 502
Qy 422 CCTCTCATGGCGGCTTCCCTTCTCATCATCGAGACAAGCACCATCAAGCCTTACCA 481
Db 503 CCTCTCATGGCGGCTTCCCTTCTCATCATCGAGACAAGCACCATCAAGCCTTACCA 562
Qy 482 CCGAGGGTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAA 541
Db 563 CCGAGGGTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAA 622
Qy 542 AAATGACGCTGTGCTGTGCTGCGGTGGGATCGTCAATTGCCATCCTCGCGATCATCACGG 601
Db 623 AAATGACGCTGTGCTGTGCTGCGGTGGGATCGTCAATTGCCATCCTCGCGATCATCACGG 682
Qy 602 GGAATTCTACCGGATCTATTACCTGGAAGAAGTCGCGTGCAGGATTCAGAAACCCCTACGT 661
Db 683 GGAATTCTACCGGATCTATTACCTGGAAGAAGTCGCGTGCAGGATTCAGAAACCCCTACGT 742
Qy 662 GGCAGCACTCTATAAGCAAGTGGGCTGCTTCTCTTTGGCTGTGCCATCAGCCAGTCTTT 721
Db 743 GGCAGCACTCTATAAGCAAGTGGGCTGCTTCTCTTTGGCTGTGCCATCAGCCAGTCTTT 802
Qy 722 CACAGACATTGCCAAAGTGTCCATAGGGCGCTGCGTCTCTCACTTCTTGAAGTGTCTGCAA 781
Db 803 CACAGACATTGCCAAAGTGTCCATAGGGCGCTGCGTCTCACTTCTTGAAGTGTCTGCAA 862
Qy 782 CCCTGATTTAGCCAGCCAGATCAACTGCTCTGAAGGCTACATTCAAGAACTACAGATGCAGAGG 841
Db 863 CCCTGATTTAGCCAGCCAGATCAACTGCTCTGAAGGCTACATTCAAGAACTACAGATGCAGAGG 922
Qy 842 TGATGACAGCAAAAGTCCAGGAAGCCAGGAAGTCTTCTTCTCTGGCCATGCCTCCTTCTC 901
Db 923 TGATGACAGCAAAAGTCCAGGAAGCCAGGAAGTCTTCTTCTCTGGCCATGCCTCCTTCTC 982
Qy 902 CATGTACACTATGCTGTATTTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGC 961
Db 983 CATGTACACTATGCTGTATTTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGC 1042
Qy 962 CCGCCTGCTCCGGCCCTCCTGCAGTTCACTTGATCATGATGGCCTTCTACACGGGACT 1021
Db 1043 CCG-CTGCTCCGGCCCTCCTGCAGTTCACTTGATCATGATGGCCTTCTACACGGGACT 1101

```
QY 1022 GTCTCGGTATCAGACCACCAAGCACCATCCAGTGTATTTCTGGCAGGATTTGCTCAAGG 1081
Db 1102 GTCTCGGTATCAGACCACCAAGCACCATCCAGTGTATTTCTGGCAGGATTTGCTCAAGG 1161
QY 1082 AGCCCTGGTGGCTGCTGCATAGTTTCTTCTGTGTGACCTCTTCAAGACTAAGACGAC 1141
Db 1162 AGCCCTGGTGGCTGCTGCATAGTTTCTTCTGTGTGACCTCTTCAAGACTAAGACGAC 1221
QY 1142 GCTCTCCCTGCTGCCCTGCTATCCGGAAGGAAATCCTTTACCTGTGGACATATTGA 1201
Db 1222 GCTCTCCCTGCTGCCCTGCTATCCGGAAGGAAATCCTTTACCTGTGGACATATTGA 1281
QY 1202 CAGGAACAATCACCACCAACATGATGTAGGTGCCACCCACCTCTGAGCTGTTTGTAAA 1261
Db 1282 CAGGAACAATCACCACCAACATGATGTAGGTGCCACCCACCTCTGAGCTGTTTGTAAA 1341
QY 1262 ATGACTGCTGACAGCAAGTTCTTGTCTCTCCAATCTCATCAGACAGTAGAATGTAGGG 1321
Db 1342 ATGACTGCTGACAGCAAGTTCTTGTCTCTCCAATCTCATCAGACAGTAGAATGTAGGG 1401
QY 1322 AAAAACTTTTGGCCGACTGATTTTAAAAAATAAAAAA 1362
Db 1402 AAAAACTTTTGGCCGACTGATTTTAAAAAATAAAAAA 1442
```

RESULT 5

```
US-10-116-802-219
; Sequence 219, Application US/10116802
; Publication No. US20030065157A1
; GENERAL INFORMATION:
; APPLICANT: Amy Lasek
; TITLE OF INVENTION: GENES EXPRESSED IN LUNG CANCER
; FILE REFERENCE: PA-0045 US
; CURRENT APPLICATION NUMBER: US/10/116,802
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: 60/281,593
; PRIOR FILING DATE: 2001-04-04
; NUMBER OF SEQ ID NOS: 519
; SOFTWARE: PERL Program
; SEQ ID NO 219
; LENGTH: 1597
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 010796.18
US-10-116-802-219
```

```
Query Match 87.6%; Score 1193; DB 15; Length 1597;
Best Local Similarity 95.0%; Pred. No. 0;
Matches 1270; Conservative 0; Mismatches 0; Indels 67; Gaps 1;

QY 2 GCGCAGCTCTGCAAAAGTTTCTGCTCGGGATCTGGCTCTTCCCTTGGACTTTAGAAC 61
Db 170 GCGCAGCTCTGCAAAAGTTTCTGCTCGGGATCTGGCTCTTCCCTTGGACTTTAGAAC 229
QY 62 GATTTAGGTTGACAGAGGAAGACAGAGCGCGCAGGAGGAGCAGAAACACCACTTCT 121
Db 230 GATTTAGGTTGACAGAGGAAGACAGAGCGCGCAGGAGGAGCAGAAACACCACTTCT 289
QY 122 GCAGTTGGAGGAGGAGCGCGCGGCTGCACTCTAGCGCGCGCGCGCGGCGGCGG 181
Db 290 GCAGTTGGAGGAGGAGCGCGCGGCTGCACTCTAGC----- 325
QY 182 CCCGCCACTATCCGACAGCCCTCGGCCAGGAGCGACCCGGGCGCTGGTGTGTGGCT 241
Db 326 -----CGCCTGGGTGTGTGGCT 342
QY 242 GCTGTTGGGGACGTCTTCGGGGGGGGAGGCTCGCGCGCAGCCAGCCCATGCAAAA 301
Db 343 GCTGTTGGGGACGTCTTCGGGGGGGGAGGCTCGCGCGCAGCCAGCCCATGCAAAA 402
```

```
QY 302 CTACAAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGGCGGCAGCCCGGCGCTCAA 361
Db 403 CTACAAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGGCGGCAGCCCGGCGCTCAA 462
QY 362 CAACAAACCGAGGAGGAGCGGCAGCAAGCGGGTGTCTGCTATCTCTCGACTCTTCTG 421
Db 463 CAACAAACCGAGGAGGAGCGGCAGCAAGCGGGTGTCTGCTATCTGCTCTCGACTCTTCTG 522
QY 422 CCTCTTCAATGGCGGGCTCCCTCTTCTCATCATCGAGACAAGCACCATTCAAGCCTTACCA 481
Db 523 CCTCTTCAATGGCGGGCTCCCTCTTCTCATCATCGAGACAAGCACCATTCAAGCCTTACCA 582
QY 482 CCGAGGGTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAAT 541
Db 583 CCGAGGGTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAAT 642
QY 542 AAATGACGCTGTGCTCTGTGCCGTGGGATCGTCAATTGCCATCCTCGGATCATCACGGG 601
Db 643 AAATGACGCTGTGCTCTGTGCCGTGGGATCGTCAATTGCCATCCTCGGATCATCACGGG 702
QY 602 GGAATTTACCGGATCTATTACCTTGAAAGTCCGGTGCACGATTCAGAAACCCCTACGT 661
Db 703 GGAATTTACCGGATCTATTACCTTGAAAGTCCGGTGCACGATTCAGAAACCCCTACGT 762
QY 662 GGCAGCACTCTATAAGCAAGTGGGCTGCTTCTTTGGCTGTGCCATCAGCCAGTCTTT 721
Db 763 GGCAGCACTCTATAAGCAAGTGGGCTGCTTCTTTGGCTGTGCCATCAGCCAGTCTTT 822
QY 722 CACAGACATTTCCAAAGTGTCCATAGGGCGCTGCGTCTCTTCTTGAAGTGTCTGCAA 781
Db 823 CACAGACATTTCCAAAGTGTCCATAGGGCGCTGCGTCTCTTCTTGAAGTGTCTGCAA 882
QY 782 CCCTGATTTTCCAGCCAGATCAACTGCTCTGAAAGGCTACATTCAGAACTACAGATGCAGAG 841
Db 883 CCCTGATTTTCCAGCCAGATCAACTGCTCTGAAAGGCTACATTCAGAACTACAGATGCAGAG 942
QY 842 TGATGACAGCAAAAGTCCAGGAAGCCAGGAAGTCTTCTTCTGTGGCCATGCTCTTCTC 901
Db 943 TGATGACAGCAAAAGTCCAGGAAGCCAGGAAGTCTTCTTCTGTGGCCATGCTCTTCTC 1002
QY 902 CATGTACACTATGCTGTATTTGGTGTATATCCTGCAGGCCGCTTCACTTGGCGAGGAGC 961
Db 1003 CATGTACACTATGCTGTATTTGGTGTATATCCTGCAGGCCGCTTCACTTGGCGAGGAGC 1062
QY 962 CCGCCTGCTCCGGCCCTCTGCAAGTTCACCTTGATGATGATGATGATGATGATGATGAT 1021
Db 1063 CCGCCTGCTCCGGCCCTCTGCAAGTTCACCTTGATGATGATGATGATGATGATGATGAT 1122
QY 1022 GTCTCGGTATCAGACCACCAAGCACCATCCAGTGTATCTTGGCAGGATTTGCTCAAGG 1081
Db 1123 GTCTCGGTATCAGACCACCAAGCACCATCCAGTGTATCTTGGCAGGATTTGCTCAAGG 1182
QY 1082 AGCCCTGGTGGCTGCTGCATAGTTTCTTCTGTGTGACCTCTTCAAGACTAAGACGAC 1141
Db 1183 AGCCCTGGTGGCTGCTGCATAGTTTCTTCTGTGTGACCTCTTCAAGACTAAGACGAC 1242
QY 1142 GCTCTCCCTGCTGCCCTGCTATCCGGAAGGAAATCCTTTACCTGTGGACATATTGA 1201
Db 1243 GCTCTCCCTGCTGCCCTGCTATCCGGAAGGAAATCCTTTACCTGTGGACATATTGA 1302
QY 1202 CAGGAACAATCACCACCAACATGATGTAGGTGCCACCCACCTCTCTGAGCTGTTTGTAAA 1261
Db 1303 CAGGAACAATCACCACCAACATGATGTAGGTGCCACCCACCTCTCTGAGCTGTTTGTAAA 1362
QY 1262 ATGACTGCTGACAGCAAGTTCTTGTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGG 1321
Db 1363 ATGACTGCTGACAGCAAGTTCTTGTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGG 1422
QY 1322 AAAAACTTTTGGCCCGAC 1338
Db 1423 AAAAACTTTTGGCCCGAC 1439
```

RESULT 6

```
US-10-332-859-331
; Sequence 331, Application US/10332859
; Publication No. US20040088746A1
; GENERAL INFORMATION:
; APPLICANT: Grimm, Stefan
; APPLICANT: Schoenfeld, Nicole
; APPLICANT: Brazilius, Erik
; APPLICANT: Cramer, Ursula
; APPLICANT: Gewies, Andreas
; APPLICANT: Voss, Frank
; APPLICANT: Mund, Thomas
; APPLICANT: Albayrak, Timur
; APPLICANT: Gille, Hendrik
; APPLICANT: Klein, Matthias
; APPLICANT: Bauer, Manuel
; TITLE OF INVENTION: Apoptosis-Inducing DNA Sequences
; FILE REFERENCE: 2923-0133
; CURRENT APPLICATION NUMBER: US/10/332,859
; CURRENT FILING DATE: 2003-01-14
; PRIOR APPLICATION NUMBER: PCT/EP01/08170
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 355
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 331
; LENGTH: 919
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (105)..(408)
; OTHER INFORMATION: n = any nucleotide
US-10-332-859-331
```

```
Query Match      48.1%; Score 655; DB 19; Length 919;
Best Local Similarity 83.8%; Pred. No. 2.5e-189;
Matches 768; Conservative 0; Mismatches 138; Indels 11; Gaps 3;

Qy      449 CATCATCGAGACAAGCACCATCAAGCCTTACCACCGAGGTTTTACTGCAATGATGAGAG 508
Db      1 CATCATCGAGACAAGCACCATTAAAGCCTTACCCTCGAGGGTTTTACTGCAATGACGAGAG 60

Qy      509 CATCAAGTACCCACTGAAACTGGTGAGACAATAAATGACGCTGTGCTCTGTGCCGTGG 568
Db      61 CATCAAGTATCCCTGAAAGTCAGTGAGACTATAAACGATGCTGTGCTGTGCGGNGGG 120

Qy      569 GATCGTCATTGCCATCCTCGCGATCATCAGCGGGGAATTTACCGGATCTATTACCT--- 625
Db      121 GATCGTCATCGCCATCCTCGCGATCATTAAGGGGAATTTACCGGATCTATTACCTCAA 180

Qy      626 GAAGAAGTCGGGTGACGATTAGAAACCCCTACGTGGGAGCACTCTATAAGCAAGTGG 685
Db      181 GGAGAAGTCCCGCTCCACCACTCAGAACCCGTATGTGGGAGCNCNATAAGCAAGTGN 240

Qy      686 CTGCTTCCTCTTTGGCTGTGCCATCAGCCAGTCTTTTCACAGACATTTGCCAAAGTGTCCAT 745
Db      241 ATGCTCTCTTNGNTGTGCAATTAGCAAGTCTTTCANNNGCATCGCCAAAGTGTCCAT 300

Qy      746 AGGGCGCCTCGCTCCTCACTTCTTGAGTGTCTGCAACCCCTGATTTTCAGCCAGATCAACTG 805
Db      301 CGGGCGCCTAAGGCCTCACTTCTNAGCGTCTGTGACCCCTGATTTTCAGTCAGATCAATTG 360

Qy      806 CTCTGAAGGCTACATTTCAGAACTACAGATGCAGAGGTGATGACAGCAAGTCCAGGAAGC 865
Db      361 CTCGAGGGCTACATTTCAGANCTACAGGTGCAGAGGAGAGNAGCANAGTACAGGAGGC 420

Qy      866 CAGGAAGTCTTCTTCTCTGGCCATGCCCTCTTCTCCATGTACACTATGCTGTATTTGGT 925
Db      421 CAGGAAGTCTTCTTCTCGGGCCACGCTTCTTCTCCATGTTCACATGCTGTATCTGGT 480

Qy      926 GCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGCCCGCTGCTCCGGCCCCCTCCTGCA 985
Db      481 GCTTACCTTCAGGCCCGCTTCACTTGGCGGGGGCCCGACTGCTCCGGCCCCCTCCTGCA 540
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Qy      986 GTTACCTTGATCATGATGGCCTTCTACACGGGAGCTGTCTCGCGTATCAGACCACAAGCA 1045
Db      541 GTTCACTTTGCTCATGATGGCCTTCTACACGGGATGTTCACGGGATCTGACTACAAGCA 600

Qy      1046 CCATCCAGTGATGTTCTGGCAGGATTTGCTCAAGAGCCCTTGGTGGCCTGCTGCATAGT 1105
Db      601 TCATCCTAGCGATGTCCTGGCAGGATTTGCCCAAGAGGCTCTGGTGGCCTGCTGCATAGT 660

Qy      1106 TTTCTTCGTGTCTGACCTCTTCAAGACTAAGACGACGCTCTCCCTGCTGCCCCCTGCTAT 1165
Db      661 GTTCTTCGTGTCCGACCTCTTCAAGACTAAGACGACGCTCTCACTGCCCGCCCTGCGAT 720

Qy      1166 CCGGAAGGAAATCCTTTTCACTGTGGACATTATTGACAGGAACAATCACCACAACATGAT 1225
Db      721 CAGGAGGGAGATCCTGTCTCCCGTGGACATCATCGACAGGAACAATCACCATAACATGT 780

Qy      1226 GTAGTGCCACCCACCTCTCTGAGCTGTTTTTGTAAATGACTGCTGACAGCAAGTTCTTG 1285
Db      781 GTAGATG-CTGCGGCTCCGGAGCGCTTCTCTGAAGCGACT-----GCACGTTCTCTG 832

Qy      1286 CTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGAAAAAACTTTTGCCTGCTGATTTT 1345
Db      833 CTGCTCTCCGATCTCATCAGACAGTAGAATGTAGGAAAAAGCTTTTGCCTGCTGATTTT 892

Qy      1346 TAAAAAATAAAAAA 1362
Db      893 GAAAAACATTTAAAAA 909
```

RESULT 7

```
US-10-332-859-217
; Sequence 217, Application US/10332859
; Publication No. US20040088746A1
; GENERAL INFORMATION:
; APPLICANT: Grimm, Stefan
; APPLICANT: Schoenfeld, Nicole
; APPLICANT: Brazilius, Erik
; APPLICANT: Cramer, Ursula
; APPLICANT: Gewies, Andreas
; APPLICANT: Voss, Frank
; APPLICANT: Mund, Thomas
; APPLICANT: Albayrak, Timur
; APPLICANT: Gille, Hendrik
; APPLICANT: Klein, Matthias
; APPLICANT: Bauer, Manuel
; TITLE OF INVENTION: Apoptosis-Inducing DNA Sequences
; FILE REFERENCE: 2923-0133
; CURRENT APPLICATION NUMBER: US/10/332,859
; CURRENT FILING DATE: 2003-01-14
; PRIOR APPLICATION NUMBER: PCT/EP01/08170
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 355
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 217
; LENGTH: 804
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (125)..(723)
; OTHER INFORMATION: n = any nucleotide
US-10-332-859-217
```

```
Query Match      44.9%; Score 612.2; DB 19; Length 804;
Best Local Similarity 85.1%; Pred. No. 3e-176;
Matches 684; Conservative 0; Mismatches 117; Indels 3; Gaps 1;

Qy      429 ATGGCGGCGCTCCCTTCCTCATCATCGAGACAAGCACCATCAAGCCTTACCACCGAGG 488
Db      1 ATGGCGGCTCTGCGCTTCCTCATCATCGAGACAAGCACCATTAAAGCCTTACCGTCGAGG 60

Qy      489 TTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTGGTGAGACAATAAATGAC 548
```

Db	61	TTTTTACTGCAATGACGAGAGCATCAAGTATCCCTGAAAGTCAGTGAGACTATAAACGAT	120
Qy	549	GCTGTGCTCTGTCCGTGGGATCGTCAATTGGCCATCCTCGGATCATCACGGGGAAATTC	608
Dd	121	GCTGNGCTCTGNGCGGNGGGGATCGTCAATCGCCATCCTGCGCATCATTTACAGGGGAATTC	180
Qy	609	TACCGGATCTATTACCT--GAAGAAGTCGGGTGACGAGTTTCAGAACCCCTACGTGGCA	665
Dd	181	TACCGGATCTATTACCTCAAGGAGAAGTCCCGCTCCACCACTCAGAACCCGTATGTGGCA	240
Qy	666	GCACTCTATAAGCAAGTGGGTGCTTCTCTTTGGCTGTGCCATCAGCCAGTCTTTTCACA	725
Dd	241	GCNCNCNATAAGCAAGTGGNATGCNTCTTTNNNGTGTGCCAATTAGCAAGTCCTTCANN	300
Qy	726	GACATTGCCAAAAGTGTCCATAGGGCGCCTGCGTCCTCACTTCTTGAGTGTCTGCAACCCCT	785
Dd	301	GNCAATCGCCAAAAGTGTCCATCGGGCGCCTAAGGCCCTCACTTCTTNAGCGTCTGTGACCCCT	360
Qy	786	GATTTTCAGCCAGATCAACTGCTCTGAAGGCTACATTCAGAACTACAGATCGAGAGGTGAT	845
Dd	361	GATTTTCAGTCAGATCAATTGCTCCGAGGGCTACATTCAGANCTACAGGTGCAGAGGAGAA	420
Qy	846	GACAGCAAGTCCAGGAAGCCAGGAAGTCTTCTCTGGCCATGCCCTCTTCTCCATG	905
Dd	421	GNCAAGCANAGTACAGGAGGCCAGGAAGTCTTCTCTCGGGCCAGCCCTCTTCTCCATG	480
Qy	906	TACACTATGCTGTATTTGGTGTCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGCCCGC	965
Dd	481	TTCACTATGCTGTATCTGGTGTCTACCTTCAGGCCCGCTTCACTTGGCGCGGGCCCGA	540
Qy	966	CTGCTCCGGCCCCCTCTCGAGTTCACTTTGATCATGATGGCCTTCTACACGGGACTGTCT	1025
Dd	541	CTGCTCCGGCCCCCTCTCGAGTTCACTTTGCTCATGATGGCCTTCTACACGGGATTGTCA	600
Qy	1026	CGCGTATCAGACCACAAAGACCATCCAGTGATGTTCTGGCAGGATTTTGTCAAGGAGCC	1085
Dd	601	CGGGTATCTGACTACAAGCATCATCTTAGCGATGTCTTGGCAGGATTTTGCCTCAAGGAGCT	660
Qy	1086	CTGGTGGCCTGCTGCATAGTTTCTTCTGCTGTGACCTCTTCAAGACTAAGACGACGCTC	1145
Dd	661	CTGGTGGCCTGCTGCATAGTGTCTTCTGCTGTCCGACCTCTTCAAGACTAAGACGACGCTC	720
Qy	1146	TCCCTGCTGCCCTCTGCTATCCGGAAGGAAATCCTTTCACTGTGGACATTTTGACAGG	1205
Dd	721	TCTCTGCCCGCCCCCTGCGATCAGGAGGGAGATCCTGTCTCCCGTGGACATCATCGACAGG	780
Qy	1206	AACAATCACCAACAATGATGTAG	1229
Dd	781	AACAATCACCAATAACATGGTGTAG	804

RESULT 8

```

US-09-918-995-31572
; Sequence 31572, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SE
; TITLE OF INVENTION: FROM VARIOUS CDNA LI
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31572
; LENGTH: 486
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature

```

```

; LOCATION: (1)...(486)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-31572

Query Match      32.6%; Score 444; DB 10; Length 486;
Best Local Similarity 99.8%; Pred. No. 7.5e-125;
Matches 444; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 247 TCGGGGACGTCTTCGCGGGGGGAGGCTCGCGCCGCGAGCCAGCGCCATGCAAAACTACA 306
    |||||
Db 42 TCGGGGACGTCTTCGCGGGGGGAGGCTCGCGCCGCGAGCCAGCGCCATGCAAAACTACA 101
    |||||

QY 307 AGTACGACAAAGCGATCTCCCGGAGAGCAAGAACGGCGGCAGCCCGCGCTCAACAACA 366
    |||||
Db 102 AGTACGACAAAGCGATCTCCCGGAGAGCAAGAACGGCGGCAGCCCGCGCTCAACAACA 161
    |||||

QY 367 ACCGAGGAGGAGCGGCAGCAAGCGGGTGCTGCTCATCTGACCTCTTCTGCCTCT 426
    |||||
Db 162 ACCGAGGAGGAGCGGCAGCAAGCGGGTGCTGCTCATCTGACCTCTTCTGCCTCT 221
    |||||

QY 427 TCATGGCGGGCCTCCCCCTTCTCATCATCGAGACAAGCACCATCAAGCCTTACCACCGAG 486
    |||||
Db 222 TCATGGCGGGCCTCCCCCTTCTCATCATCGAGACAAGCACCATCAAGCCTTACCACCGAG 281
    |||||

QY 487 GGTTTTTACTGCAATGATGAGAGCATCAGTACCCACTGAAAACTGGTGAGACAATAATG 546
    |||||
Db 282 GGTTTTTACTGCAATGATGAGAGCATCAGTACCCACTGAAAACTGGTGAGACAATAATG 341
    |||||

QY 547 ACGCTGTGCTCTGTGCCGTGGGGATCGTCATTGCCATCCTCGCGATCATCACGGGGGAAT 606
    |||||
Db 342 ACGCTGTGCTCTGTGCCGTGGGGATCGTCATTGCCATCCTCGCGATCATCACGGNGGAAT 401
    |||||

QY 607 TCTACCGGATCTATTACTGAAGAAGTCGCGGTGCGAGATTAGAACCCCTACGTGGCAG 666
    |||||
Db 402 TCTACCGGATCTATTACTGAAGAAGTCGCGGTGCGAGATTAGAACCCCTACGTGGCAG 461
    |||||

QY 667 CACTCTATAAGCAAGTGGGCTGCTT 691
    |||||
Db 462 CACTCTATAAGCAAGTGGGCTGCTT 486
    |||||

```

RESULT 9

```

US-09-878-178-2091
; Sequence 091, Application US/09878178
; Patent No. US20020177552A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.527
; CURRENT APPLICATION NUMBER: US/09/878,178
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 2237
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2091
; LENGTH: 538
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-878-178-2091

```

	Query Match	32.4%	Score 441.8;	DB 9;	Length 538;
	Best Local Similarity	99.3%;	Pred. No. 3.7e-124;		
	Matches 454; Conservative	0;	Mismatches 2;	Indels 1;	Gaps 1;
Qy	907	ACACTATGCTGTATTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCAGGAGCCCCGCC	966		
Dd	1	ACACTATGCTGTATTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCAGGAGCCCCGCC	60		
Qy	967	TGCTCCGGCCCCCTCCTGCAGTTCACTTGATCATGATGGCCTTCTACAGGGA CTGTCTC	1026		
Dd	61	TGCTCCGGCCCCCTCCTGCAGTTCACTTGATCATGATGGCCTTCTACAGGGA CTGTCTC	120		


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Qy 1027 GCGTATCAGACCACAAGCACCATCCCAGTGATGTTCTGGCAGGATTTGCTCAAGGAGCCC 1086
Db 121 GCGTATCAGACCACAAGCACCATCCCAGTGATGTTCTGGCAGGATTTGCTCAAGGAGCCC 180
Qy 1087 TGGTGGCCTGCTGCATAGTTTCTTCGTGCTGACCTCTTCAAGACTAAGACGACGCTCT 1146
Db 181 TGGTGGCCTGCTGCATAGTTTCTTCGTGCTGACCTCTTCAAGACTAAGACGACGCTCT 240
Qy 1147 CCCTGCCTGCCC-CTGCTATCCGGAAGGAAATCCTTTCACCTGTGGACATATTGACAGG 1205
Db 241 CCCTGCCTGCCCCTGCTATCCGGAAGGAAATCCTTTCACCTGTGGACATATTGACAGG 300
Qy 1206 AACAAATCACCACAACATGATGAGTGCCACCCACCTCCTGAGCTGTTTTTGTAAATGA 1265
Db 301 AACAAATCACCACAACATGATGAGTGCCACCCACCTCCTGAGCTGTTTTTGTAAATGA 360
Qy 1266 CTGCTGACAGCAAGTTCTTGCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGAAAA 1325
Db 361 CTGCTGACAGCAAGTTCTTGCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGAAAA 420
Qy 1326 ACTTTTGGCCGACTGATTTTAAAAAAGGAAAAA 1362
Db 421 ACTTTTGGCCGACTGATTTTAAAAAAGGAAAAA 457
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```
RESULT 10
US-10-046-935-2091
; Sequence 2091, Application US/10046935
; Publication No. US20020156011A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.527C1
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 2239
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2091
; LENGTH: 538
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-046-935-2091
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Query Match 32.4%; Score 441.8; DB 14; Length 538;
Best Local Similarity 99.3%; Pred. No. 3.7e-124;
Matches 454; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

Qy 907 ACACATATGCTGATTTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGCCGCC 966
Db 1 ACACATATGCTGATTTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGCCGCC 60
Qy 967 TGCTCCGGCCCTCCTGCAGTTCACTTGCATGATGGCTTCTACACGGGACTGTCTC 1026
Db 61 TGCTCCGGCCCTCCTGCAGTTCACTTGCATGATGGCTTCTACACGGGACTGTCTC 120
Qy 1027 GCGTATCAGACCACAAGCACCATCCCAGTGATGTTCTGGCAGGATTTGCTCAAGGAGCCC 1086
Db 121 GCGTATCAGACCACAAGCACCATCCCAGTGATGTTCTGGCAGGATTTGCTCAAGGAGCCC 180
Qy 1087 TGGTGGCCTGCTGCATAGTTTCTTCGTGCTGACCTCTTCAAGACTAAGACGACGCTCT 1146
Db 181 TGGTGGCCTGCTGCATAGTTTCTTCGTGCTGACCTCTTCAAGACTAAGACGACGCTCT 240
Qy 1147 CCCTGCCTGCCC-CTGCTATCCGGAAGGAAATCCTTTCACCTGTGGACATATTGACAGG 1205
Db 241 CCCTGCCTGCCCCTGCTATCCGGAAGGAAATCCTTTCACCTGTGGACATATTGACAGG 300
```

```
Qy 1206 AACAAATCACCACAACATGATGAGTGCCACCCACCTCCTGAGCTGTTTTTGTAAATGA 1265
Db 301 AACAAATCACCACAACATGATGAGTGCCACCCACCTCCTGAGCTGTTTTTGTAAATGA 360
Qy 1266 CTGCTGACAGCAAGTTCTTGCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGAAAA 1325
Db 361 CTGCTGACAGCAAGTTCTTGCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGAAAA 420
Qy 1326 ACTTTTGGCCGACTGATTTTAAAAAAGGAAAAA 1362
Db 421 ACTTTTGGCCGACTGATTTTAAAAAAGGAAAAA 457

RESULT 11
US-10-146-502-2091
; Sequence 2091, Application US/10146502
; Publication No. US20030069180A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Secrist, Heather
; APPLICANT: Wang, Aijun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.527C2
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2241
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2091
; LENGTH: 538
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-146-502-2091
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Query Match 32.4%; Score 441.8; DB 15; Length 538;
Best Local Similarity 99.3%; Pred. No. 3.7e-124;
Matches 454; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

Qy 907 ACACATATGCTGATTTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGCCGCC 966
Db 1 ACACATATGCTGATTTGGTGCTATACCTGCAGGCCCGCTTCACTTGGCGAGGAGCCGCC 60
Qy 967 TGCTCCGGCCCTCCTGCAGTTCACTTGCATGATGGCTTCTACACGGGACTGTCTC 1026
Db 61 TGCTCCGGCCCTCCTGCAGTTCACTTGCATGATGGCTTCTACACGGGACTGTCTC 120
Qy 1027 GCGTATCAGACCACAAGCACCATCCCAGTGATGTTCTGGCAGGATTTGCTCAAGGAGCCC 1086
Db 121 GCGTATCAGACCACAAGCACCATCCCAGTGATGTTCTGGCAGGATTTGCTCAAGGAGCCC 180
Qy 1087 TGGTGGCCTGCTGCATAGTTTCTTCGTGCTGACCTCTTCAAGACTAAGACGACGCTCT 1146
Db 181 TGGTGGCCTGCTGCATAGTTTCTTCGTGCTGACCTCTTCAAGACTAAGACGACGCTCT 240
Qy 1147 CCCTGCCTGCCC-CTGCTATCCGGAAGGAAATCCTTTCACCTGTGGACATATTGACAGG 1205
Db 241 CCCTGCCTGCCCCTGCTATCCGGAAGGAAATCCTTTCACCTGTGGACATATTGACAGG 300
Qy 1206 AACAAATCACCACAACATGATGAGTGCCACCCACCTCCTGAGCTGTTTTTGTAAATGA 1265
Db 301 AACAAATCACCACAACATGATGAGTGCCACCCACCTCCTGAGCTGTTTTTGTAAATGA 360
Qy 1266 CTGCTGACAGCAAGTTCTTGCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGAAAA 1325
Db 361 CTGCTGACAGCAAGTTCTTGCTGCTCTCCAATCTCATCAGACAGTAGAATGTAGGAAAA 420
Qy 1326 ACTTTTGGCCGACTGATTTTAAAAAAGGAAAAA 1362
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; PRIOR APPLICATION NUMBER: US/09/235,076
 ; PRIOR FILING DATE: 1999-01-20
 ; NUMBER OF SEQ ID NOS: 38054
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 29158
 ; LENGTH: 437
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-918-995-29158

Query Match 31.6%; Score 430.6; DB 10; Length 437;
 Best Local Similarity 99.1%; Pred. No. 9e-121;
 Matches 433; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY	452	CATCGAGACAAGCACCACATCAAGCCCTTACCACCGAGGGTTTTACTGCAATGATGAGAGCAT	511
Db	1	CATCGAGACAAGCACCACATCAAGCCCTTACCACCGAGGGTTTTACTGCAATGATGAGAGCAT	60
QY	512	CAAGTACCCACTGAAAACTGGTGAGACAATAAATGACGCTGTGCTCTGTGCGGTGGGAT	571
Db	61	CAAGTACCCACTGAAAACTGGTGAGACAATAAATGACGCTGTGCTCTGTGCGGTGGGAT	120
QY	572	CGTCATTGCCATCCTCGCGATCATCACGGGGGAATTTACCGGATCTATTACCTGAAGAA	631
Db	121	CGTCATTGCCATCCTCGCGATCATCACGGGGGAATTTACCGGATCTATTACCTGAAGAA	180
QY	632	GTGCGGGTGCAGCATTCAGAACCCCTACGTGGCAGCACTCTATAAGCAAGTGGGCTGCTT	691
Db	181	GTGCGGGTGCAGCATTCAGAACCCCTACGTGGGCGAGCACTCTATAAGCAAGTGGGCTGCTT	240
QY	692	CCTCTTTGGTGTGCCATCAGCCAGTCTTTACAGACATTTGCCAAAGTGTCCATAGGGCG	751
Db	241	CCTCTTTGGTGTGCCATCAGCCAGTCTTTACAGACATTTGCCAAAGTGTCCATAGGGCG	300
QY	752	CCTGCGTCTCACTTCTTGAGTGTCTGCAACCCCTGATTTACGCCAGATCAACTGCTCTGA	811
Db	301	CCTGCGTCTCACTTCTTGAGTGTCTGCAACCCCTGATTTACGCCAGATCAACTGCTCTGA	360
QY	812	AGGCTACATTTCAGAACTACAGATGCAGAGGTGATGACAGCAAAAGTCCAGGAAGCCAGGAA	871
Db	361	AGGCTACATTTCAGAACTACAGATGCAGAGGTGATGACAGCAAAAGTCCAGGAAGCCAGGAA	420
QY	872	GTCTTTCTTCTGTGGCC	888
Db	421	GTCTTTCTTCTGTGGCC	437

RESULT 14
 US-10-242-535A-3210
 ; Sequence 3210, Application US/10242535A
 ; Publication No. US20040013663A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ChondroGene Inc.
 ; APPLICANT: Liew, C.C.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
 ; FILE REFERENCE: 4231/2005
 ; CURRENT APPLICATION NUMBER: US/10/242,535A
 ; CURRENT FILING DATE: 2002-09-12
 ; PRIOR APPLICATION NUMBER: US 10/085,783
 ; PRIOR FILING DATE: 2002-02-28
 ; PRIOR APPLICATION NUMBER: US 60/305,340
 ; PRIOR FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US 60/275,017
 ; PRIOR FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 3210
 ; LENGTH: 374
 ; TYPE: DNA
 ; ORGANISM: Human
 US-10-242-535A-3210

Query Match	26.3%;	Score 358.8;	DB 18;	Length 374;
Best Local Similarity	99.2%;	Pred. No. 8e-99;		
Matches 371;	Conservative	0;	Mismatches 2;	Indels 1;
				Gaps 1;
QY	172	CCGGGGCCGACCCGCCACTATCCGCAGCAGCTCCGGCCAGGAGCGACCCGGCGCCTGG	231	
Db	2	CGGGGGCCGACCCGCCACTATCCGCAGCAGCTCCGGCCAGGAGCGACCCGGCGCCTGG	61	
QY	232	GTGTGTGGCTGCTGTTGCGGGACGTCTTCGCGGGCGGGAGGCTCGCGCCGAGCCAGCG	291	
Db	62	GTGTGTGGCTGCTGTTGCGGGACGTCTTCGCGGGCGGGAGGCTCGCGCCGAGCCAGCG	121	
QY	292	CCATGCAAAACTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGSCGGCAGCC	351	
Db	122	CCATGCAAAACTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACGSCGGCAGCC	181	
QY	352	CGGCGCTCAACAACACCCGAGGAGGAGCGGCAGCAAGCGGGTGCTGCTCATCTGCCTCG	411	
Db	182	GGGCGCTCAACAACACCCGAGGAGGAGCGGCA - CAAGCGGGTGCTGCTCATCTGCCTCG	240	
QY	412	ACCTCTTCTGCTCTTTCATGGCGGGCCCTCCCTTCCTCATCATCGAGACAAGCACCATCA	471	
Db	241	ACCTCTTCTGCTCTTTCATGGCGGGCCCTCCCTTCCTCATCATCGAGACAAGCACCATCA	300	
QY	472	AGCCTTACCAACGAGGGTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTG	531	
Db	301	AGCCTTACCAACGAGGGTTTACTGCAATGATGAGAGCATCAAGTACCCACTGAAAACTG	360	
QY	532	GTGAGACAAATAAAT	545	
Db	361	GTGAGACAAATAAAT	374	

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Job time : 1197.41 secs

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RESULT 15
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; Sequence 3210, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liw, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3210
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-3210

Query Match          26.3%; Score 358.8; DB 19; Length 374;
Best Local Similarity 99.2%; Pred. No. 8e-99;
Matches 371; Conservative 0; Mismatches 2; Indels 1; Gaps 1

QY 172 CCGGGCCGACCCGCCACTATCCGCAGCAGCCTCGGCAGGAGGCGACCCGGGCGCCTGG 231
DB 2 CCGGGCCGACCCGCCACTATCCGCAGCAGCCTCGGCAGGAGGCGACCCGGGCGCCTGG 61
QY 232 GTGTGTGGCTGCTGTTCCGGGACGCTTTCGGGGGGCGGGAGGCTCGCGCCGCGAGCCAGCG 291
DB 62 GTGTGTGGCTGCTGTTCCGGGACGCTTTCGGGGGGCGGGAGGCTCGCGCCGCGAGCCAGCG 121
QY 292 CCATGCAAAACTACAAGTACGACAAAGCGATCGTCCCGGAGAGCAAGAACGGCGGCAGCC 351

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 11, 2005, 06:34:39 ; Search time 213.765 Seconds
(without alignments)
9430.425 Million cell updates/sec

Title: US-08-842-827-7
Perfect score: 1232
Sequence: 1 ACCATGCAGCGGAGTGGGT.....CAAAAAAAAAAAAAAAAAAAAA 1232

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

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Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query %		Length	DB	ID	Description
		Match					
1	1163	94.4		1303	4	US-09-566-921-117	Sequence 117, App
2	442.6	35.9		472	4	US-09-702-705-273	Sequence 273, App
3	442.6	35.9		472	4	US-09-736-457-273	Sequence 273, App
4	442.6	35.9		472	4	US-09-614-124B-273	Sequence 273, App
5	442.6	35.9		472	4	US-09-671-325-273	Sequence 273, App
6	442.6	35.9		472	4	US-09-589-184-273	Sequence 273, App
7	442.6	35.9		472	4	US-09-658-824-273	Sequence 273, App
8	438.4	35.6		472	4	US-09-702-705-342	Sequence 342, App
9	438.4	35.6		472	4	US-09-736-457-342	Sequence 342, App
10	438.4	35.6		472	4	US-09-614-124B-342	Sequence 342, App
11	438.4	35.6		472	4	US-09-671-325-342	Sequence 342, App
12	438.4	35.6		472	4	US-09-589-184-342	Sequence 342, App
13	438.4	35.6		472	4	US-09-658-824-342	Sequence 342, App
14	402	32.6		434	4	US-09-702-705-1590	Sequence 1590, Ap
15	402	32.6		434	4	US-09-736-457-1590	Sequence 1590, Ap
16	402	32.6		434	4	US-09-614-124B-1590	Sequence 1590, Ap
17	402	32.6		434	4	US-09-671-325-1590	Sequence 1590, Ap
18	402	32.6		434	4	US-09-658-824-1590	Sequence 1590, Ap
19	217.8	17.7		1315	3	US-08-992-035A-2	Sequence 2, Appli
20	207.8	16.9		253	4	US-09-016-434-301	Sequence 301, App
21	113.8	9.2		266	4	US-09-016-434-322	Sequence 322, App
22	80.4	6.5		217	4	US-09-016-434-286	Sequence 286, App
23	73.4	6.0		151	3	US-09-439-313-316	Sequence 316, App
24	73.4	6.0		151	3	US-09-352-616A-316	Sequence 316, App
25	73.4	6.0		151	3	US-09-232-149A-316	Sequence 316, App
26	73.4	6.0		151	4	US-09-636-215-316	Sequence 316, App
27	73.4	6.0		151	4	US-09-685-166A-316	Sequence 316, App

ALIGNMENTS

RESULT 1

US-09-566-921-117

: Sequence 117, Application US/09566921

Patent No. 6682888

GENERAL INFORMATION:

APPLICANT: Loring, Jeanne F.

APPLICANT: Tingley, Debora W.

APPLICANT: Edwards, Carla M.

; TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE

; FILE REFERENCE: PA-0024 US

; CURRENT APPLICATION NUMBER: US/09/566,921

; CURRENT FILING DATE: 2000-05-05

; NUMBER OF SEQ ID NOS: 138

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; SOFTWARE: PERL Program

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; SEQ ID NO 117

; LENGTH: 1303
TIME: 22

TYPE: DNA
ORGANISM:

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; ORGANISM: Homo sapiens
; FEATURE:

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;	FEATURE:
.	NAME/KEY

; NAME/KEY: MISC_Feature
; OTHER INFORMATION: Inc

OTHER INFORMATION: IHCycle ID NO: 6682888 202234.Z
IIS-09-566-921-117

/TT-Y76-99C-60-60

Query Match	94.4%;	Score 1163;	DB 4;	Length 1303;
Best Local Similarity	98.8%;	Pred. NO. 8.3e-314;		
Matches 1214;	Conservative	0;	Mismatches 10;	Indels 5; Gaps 4;
Qy	1	ACCATGCAGCGGAGGTGGTCTTTCGTGCTGCTCGACGTGCTGTGCTTACTGGTCGCCTCC	60	
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Qy	61	CTGCCCTTCGCTATCCTGACGCTGGTGAACGCCCCCGTACAAGCGAGGATTTTACTGCGGG	120	
Db	136	CTGCCCTTCGCTATCCTGACGCTGGTGAACGCCCCCGTACAAGCGAGGATTTTACTGCGGG	195	
Qy	121	GATGACTCCATCCGGTACCCCTACCGTCCAGATACCATCACCCACGGGCTCATGGCTGGG	180	
Db	196	GATGACTCCATCCGGTACCCCTACCGTCCAGATACCATCACCCACGGGCTCATGGCTGGG	255	
Qy	181	GTCACCATCAGGCCACCGTCATCCTTGTCTCGGCCGGGGAAGCCTACCTGGTGTACACA	240	
Db	256	GTCACCATCAGGCCACCGTCATCCTTGTCTCGGCCGGGGAAGCCTACCTGGTGTACACA	315	
Qy	241	GACCGGCTCTATTCTCGCTCGGACTTTCAAACAACACTACGTGGCTGCTGTATACAAGGTGCTG	300	
Db	316	GACCGGCTCTATTCTCGCTCGGACTTTCAAACAACACTACGTGGCTGCTGTATACAAGGTGCTG	375	
Qy	301	GGGACCTTCCTGTTTGGGGCTGCCGTGAGCCAGTCTCTGACAGACCTTGCCCAAGTACATG	360	
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QY 361 ATTGGCGTCTGAAGCCCAACTTCCTAGCGTCTGCGACCCCGACTGGAGCGGGTCAAC 420
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Db 436 ATTGGCGTCTGAGGCCCAACTTCCTAGCGTCTGCGACCCCGACTGGAGCGGGTCAAC 495
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QY 421 TGCTCGGTCTATGTGCAGCTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAG 480
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QY 481 GCCAGGTTGCTTTCTACTCGGGACACTCTTCTTGGGATGTACTGATGGTGTCTTG 540
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Db 556 GCCAGGTTGCTTTCTACTCGGGACACTCTTCTTGGGATGTACTGATGGTGTCTTG 615
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QY 541 GCGCTGTATGTGCAGGCACACTCTGTTGGAAGTGGGACGGCTGCTGCACCCACAGTC 600
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QY 601 CAGTTCTTCTGGTGGCCTTTCCTCTACGTGGGCTACACCCCGCTGCTGATTACAAA 660
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Db 676 CAGTTCTTCTGGTGGCCTTTCCTCTACGTGGGCTACACCCCGCTGCTGATTACAAA 735
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QY 661 CACCACCTGAGCGATGTCTTGTGGCTCTGTCAGGGGCACTGGTGGTGGCTCCCTCACT 720
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Db 736 CACCACCTGAGCGATGTCTTGTGGCTCTGTCAGGGGCACTGGTGGTGGCTCCCTCACT 795
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QY 721 GTCTGTACATCTCAGACTTCTTCAAAGCCGACCCCAAGCACTGTCTGAAGGAGGAG 780
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Db 796 GTCTGTACATCTCAGACTTCTTCAAAGCCGACCCCAAGCACTGTCTGAAGGAGGAG 855
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QY 781 GAGCTGGAACGGAAGCCAGCCTGTCTACGTGAGTGGGCGGAGGCTGACCCACAA 840
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QY 841 CCACCTTATGGGATACCGCACTCTTCTTCTGAGGCGGAGCCCGCCAGGCGAGGCT 900
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Db 915 CCACCT--ATGGATACCCGCACTCTCTCTGAGGCGGAGCCCGCCAGGCGAGGCT 972
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QY 901 GCTGTGAGTCCAGCTGATGCCACCCAGGTGGTCCCTCCAG--CCTGGTTAGGCACTGAGG 959
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Db 973 ACTGTGAGTCCAGCTGAGGCCCAACCCAGGTGGTCCCTCCAGCCCTGGTTAGGCACTGAGG 1032
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QY 960 GTTCTGGACGGGCTCCAGGAACCCCTGGGCTGATGGGAGCAGTGAGC--GGTTCGCTGCC 1018
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Db 1033 GCTCTGGACGGGCTCCAGGAACCCCTGGGCTGATGGGAGCAGTGAGCGGGCTCCGCTGCC 1092
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QY 1139 GAGAGATCAGATAGTTGCTGTTTGTAAATGTAATGTAATGTTGTTTATGTAATAAATA 1198
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Db 1213 GAGAGATCAGATAGTTGCTGTTTGTAAATGTAATGTAATGTTGTTTATGTAATAAATA 1272
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QY 1199 GGGCACCTGTTTACAAAAA 1227
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Db 1273 GGGCACCTGTTTACAAAAA 1301
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RESULT 2
US-09-702-705-273
; Sequence 273, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick

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; APPLICANT: Retter, Marc  
; APPLICANT: Mannion, Jane  
; APPLICANT: Fan, Liqun  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.478C14  
; CURRENT APPLICATION NUMBER: US/09/702,705  
; NUMBER OF SEQ ID NOS: 1833  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 273  
; LENGTH: 472  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-702-705-273  
  
Query Match 35.9%; Score 442.6; DB 4; Length 472;  
Best Local Similarity 98.5%; Pred. No. 3.1e-113;  
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;  
  
QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGGCCAGGTTGCTTTCTAC 498  
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Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGGCCAGGTTGCTTTCTAC 60  
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QY 499 TCGGACACACTCTTCTTGGGATGTACTGATGCTGATGGTGTCTTGGCGCTGATGTGCAGGCA 558  
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Db 61 TCGGACACACTCTTCTTGGGATGTACTGATGCTGATGGTGTCTTGGCGCTGATGTGCAGGCA 120  
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QY 559 CGACTCTGTTGGAAGTGGGCACCGGCTGCTGCAGCCACAGTCCAGTTCCTCTGCTGCTG 618  
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Db 121 CGACTCTGTTGGAAGTGGGCACCGGCTGCTGCAGCCACAGTCCAGTTCCTCTGCTGCTG 180  
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QY 619 TTTGCCCTCTACGTGGGCTACACCCCGGTGTCTGATTACAAACACCACTGGAGCGATGTC 678  
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Db 241 CTTGTTGGCCTCCTGCAGGGGGCACTGGTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300  
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QY 739 TTTCTCAAAGCCCCGACCCCAAGCACTGTCTGAAGGAGGAGCTGGAACCGAAGCCC 798  
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Db 301 TTTCTCAAAGCCCCGACCCCAAGCACTGTCTGAAGGAGGAGCTGGAACCGAAGCCC 360  
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QY 799 AGCCTGCTCACTGACGTTGACCCCTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858  
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Db 361 AGCCTGCTCACTGACGTTGACCCCT--GGGCGAGGCTGACCAACCACT--ATGGATACCCG 417  
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QY 859 CACTCTTCTTCTGAGGCGGACCCCGCCAGGAGGAGCTGCTGTGAGTCCAG 913  
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Db 418 CACTCTTCTTCTGAGGCGGACCCCGCCAGGAGGAGCTGCTGTGAGTCCAG 472  
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; Sequence 273, Application US/09736457  
; Patent No. 6509448  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Bangur, Chaitanya S.  
; APPLICANT: Lodes, Michael A.  
; APPLICANT: Fanger, Gary  
; APPLICANT: Vedvick, Tom  
; APPLICANT: Carter, Darrick  
; APPLICANT: Retter, Marc  
; APPLICANT: Mannion, Jane  
; APPLICANT: Fan, Liqun  
; APPLICANT: Wang, Aijun  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.478C15  
; CURRENT APPLICATION NUMBER: US/09/736,457  
; CURRENT FILING DATE: 2000-12-13
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; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-736-457-273

Query Match      35.9%; Score 442.6; DB 4; Length 472;
Best Local Similarity 98.5%; Pred. No. 3.1e-113;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 499 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 120

QY 559 CGACTCTGTTGGAAGTGGGACGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 121 CGACTCTGTTGGAAGTGGGACGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 619 TTTGCCCTCTACGTGGGCTACACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
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QY 619 TTTGCCCTCTACGTGGGCTACACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 679 CTTGTTGGCCTCTGACGGGGCACTGGTGGCTGCCCTACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCCTCTGACGGGGCACTGGTGGCTGCCCTACTGTCTGCTACATCTCAGAC 300

QY 739 TTCTTCAAAGCCCGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 301 TTCTTCAAAGCCCGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 799 AGCCTGTCACTGACGTTGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 361 AGCCTGTCACTGACGTTGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 859 CACTCTTCTCTGAGGCGGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 418 CACTCTTCTCTGAGGCGGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

RESULT 4
US-09-614-124B-273
; Sequence 273, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-614-124B-273

Query Match      35.9%; Score 442.6; DB 4; Length 472;
Best Local Similarity 98.5%; Pred. No. 3.1e-113;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 499 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 120

QY 559 CGACTCTGTTGGAAGTGGGACGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 121 CGACTCTGTTGGAAGTGGGACGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 619 TTTGCCCTCTACGTGGGCTACACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 679 CTTGTTGGCCTCTGACGGGGCACTGGTGGCTGCCCTACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCCTCTGACGGGGCACTGGTGGCTGCCCTACTGTCTGCTACATCTCAGAC 300

QY 739 TTCTTCAAAGCCCGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 301 TTCTTCAAAGCCCGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 799 AGCCTGTCACTGACGTTGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 361 AGCCTGTCACTGACGTTGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 859 CACTCTTCTCTGAGGCGGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 418 CACTCTTCTCTGAGGCGGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

RESULT 5
US-09-671-325-273
; Sequence 273, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-671-325-273

Query Match      35.9%; Score 442.6; DB 4; Length 472;
Best Local Similarity 98.5%; Pred. No. 3.1e-113;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 499 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 120
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Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 499 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 120

QY 559 CGACTCTGTTGGAAGTGGGACGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 618
Db 121 CGACTCTGTTGGAAGTGGGACGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 180

QY 619 TTTGCCCTCTACGTGGGCTACACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 240

QY 679 CTTGTTGGCCTCTGACGGGGCACTGGTGGCTGCCCTACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCCTCTGACGGGGCACTGGTGGCTGCCCTACTGTCTGCTACATCTCAGAC 300

QY 739 TTCTTCAAAGCCCGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 798
Db 301 TTCTTCAAAGCCCGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 360

QY 799 AGCCTGTCACTGACGTTGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 858
Db 361 AGCCTGTCACTGACGTTGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 417

QY 859 CACTCTTCTCTGAGGCGGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 913
Db 418 CACTCTTCTCTGAGGCGGACCCCGGCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 472

RESULT 5
US-09-671-325-273
; Sequence 273, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-671-325-273

Query Match      35.9%; Score 442.6; DB 4; Length 472;
Best Local Similarity 98.5%; Pred. No. 3.1e-113;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCCGAGCCAGGTTGCTTTCTAC 60

QY 499 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTTGGCGCTGTATGTCAGGCA 120
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Db 361 AGCCTGTCACTGACGTTGACCTT-GGGCGAGGCTGACCACCACT--ATGATACCCG 417

QY 859 CACTCTTCTCTGAGGCGGACCCCGCCAGGAGCTGCTGTGAGTCCAG 913
|||||

Db 418 CACTCTCTCTGAGGCGGACCCCGCCAGGAGCTGCTGTGAGTCCAG 472

RESULT 8

US-09-702-705-342
; Sequence 342, Application US/09702705
; Patent No. 6504010

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.478C14

; CURRENT APPLICATION NUMBER: US/09/702,705

; CURRENT FILING DATE: 2000-10-30

; NUMBER OF SEQ ID NOS: 1833

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 342

; LENGTH: 472

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(472)

; OTHER INFORMATION: n = A,T,C or G

US-09-702-705-342

Query Match 35.6%; Score 438.4; DB 4; Length 472;
Best Local Similarity 97.9%; Pred. No. 4.6e-112;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCTGTGATGTACCGAGGCCAGGTTGTTCTAC 498
|||||

Db 1 CTGGAGAAGGTGTGCAGGGGAAACCTGTGATGTACCGAGGCCAGGTTGTTCTAC 60

QY 499 TCGGACACTCTTCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTCAGGCA 558
|||||

Db 61 TCGGACACTCTTCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTCAGGCA 120

QY 559 CGACTCTGTGGAAGTGGGCACGGCTGTGCGACCCACAGTCCAGTCTTCTGGTGCC 618
|||||

Db 121 CGACTCTGTGGAAGTGGGCACGGCTGTGCGACCCACAGTCCAGTCTTCTGGTGCC 180

QY 619 TTTGCCCTCTACGTGGGTACACCCCGCTGTGATTACAAACACCACTGGAGCGATGC 678
|||||

Db 181 TTTGCCCTCTACGTGGGTACACCCCGCTGTGATTACAAACACCACTGGAGCGATGC 240

QY 679 CTTGTTGGCCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCTGTACATCTCAGAC 738
|||||

Db 241 CTTGTTGGCCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCTGTACATCTCAGAC 300

QY 739 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAAACGGAAGCCC 798
|||||

Db 301 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAAACGGAAGCCC 360

QY 799 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
|||||

Db 361 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 417

QY 859 CACTCTTCTCTGAGGCGGACCCCGCCAGGAGCTGCTGTGAGTCCAG 913
|||||

Db 418 CACTCTCTCTGAGGCGGACCCCGCCAGGAGCTGCTGTGAGTCCAG 472

RESULT 9

US-09-736-457-342
; Sequence 342, Application US/09736457
; Patent No. 6509448

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.478C15

; CURRENT APPLICATION NUMBER: US/09/736,457

; CURRENT FILING DATE: 2000-12-13

; NUMBER OF SEQ ID NOS: 1864

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 342

; LENGTH: 472

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(472)

; OTHER INFORMATION: n = A,T,C or G

US-09-736-457-342

Query Match 35.6%; Score 438.4; DB 4; Length 472;
Best Local Similarity 97.9%; Pred. No. 4.6e-112;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCTGTGATGTACCGAGGCCAGGTTGTTCTAC 498
|||||

Db 1 CTGGAGAAGGTGTGCAGGGGAAACCTGTGATGTACCGAGGCCAGGTTGTTCTAC 60

QY 499 TCGGACACTCTTCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTCAGGCA 558
|||||

Db 61 TCGGACACTCTTCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTCAGGCA 120

QY 559 CGACTCTGTGGAAGTGGGCACGGCTGTGCGACCCACAGTCCAGTCTTCTGGTGCC 618
|||||

Db 121 CGACTCTGTGGAAGTGGGCACGGCTGTGCGACCCACAGTCCAGTCTTCTGGTGCC 180

QY 619 TTTGCCCTCTACGTGGGTACACCCCGCTGTGATTACAAACACCACTGGAGCGATGC 678
|||||

Db 181 TTTGCCCTCTACGTGGGTACACCCCGCTGTGATTACAAACACCACTGGAGCGATGC 240

QY 679 CTTGTTGGCCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCTGTACATCTCAGAC 738
|||||

Db 241 CTTGTTGGCCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCTGTACATCTCAGAC 300

QY 739 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAAACGGAAGCCC 798
|||||

Db 301 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAAACGGAAGCCC 360

QY 799 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
|||||

Db 361 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 417

QY 859 CACTCTTCTCTGAGGCGGACCCCGCCAGGAGCTGCTGTGAGTCCAG 913
|||||

Db 418 CACTCTCTCTGAGGCGGACCCCGCCAGGAGCTGCTGTGAGTCCAG 472

RESULT 10

US-09-614-124B-342

; Sequence 342, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(472)
; OTHER INFORMATION: n = A,T,C or G
US-09-614-124B-342

Query Match 35.6%; Score 438.4; DB 4; Length 472;
Best Local Similarity 97.9%; Pred. No. 4.6e-112;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

Qy 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTGTCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTGTCTTTCTAC 60

Qy 499 TCGGACACTCTTCCCTTTGGGATGTACTGATGGTGTCTTGGCGCTGATGTGCAGGCA 558
Db 61 TCGGACACTCTTCCCTTTGGGATGTACTGATGGTGTCTTGGCGCTGATGTGCAGGCA 120

Qy 559 CGACTCTGTGGAAGTGGGACGGCTGCTGGACCCACAGTCCAGTTCTTCTGGTGGCC 618
Db 121 CGACTCTGTGGAAGTGGGACGGCTGCTGGACCCACAGTCCAGTTCTTCTGGTGGCC 180

Qy 619 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240

Qy 679 CTTGTTGGCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300

Qy 739 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGCTGGAAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGCTGGAAACGGAAGCCC 360

Qy 799 AGCCTGTCACTGACGTTGACCCCTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCCCT-GGGCGAGGCTGACCAACCACT--ATGGATACCCG 417

Qy 859 CACTCTTCTTCTGAGGCCGACCCCGCCAGGCGAGGCTGTGTAGTCCAG 913
Db 418 CACTCTTCTTCTGAGGCCGACCCCGCCAGGCGAGGCTGTGTAGTCCAG 472

RESULT 11
US-09-671-325-342
; Sequence 342, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(472)
; OTHER INFORMATION: n = A,T,C or G
US-09-671-325-342

Query Match 35.6%; Score 438.4; DB 4; Length 472;
Best Local Similarity 97.9%; Pred. No. 4.6e-112;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

Qy 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTGTCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTGTCTTTCTAC 60

Qy 499 TCGGACACTCTTCCCTTTGGGATGTACTGATGGTGTCTTGGCGCTGATGTGCAGGCA 558
Db 61 TCGGACACTCTTCCCTTTGGGATGTACTGATGGTGTCTTGGCGCTGATGTGCAGGCA 120

Qy 559 CGACTCTGTGGAAGTGGGACGGCTGCTGGACCCACAGTCCAGTTCTTCTGGTGGCC 618
Db 121 CGACTCTGTGGAAGTGGGACGGCTGCTGGACCCACAGTCCAGTTCTTCTGGTGGCC 180

Qy 619 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240

Qy 679 CTTGTTGGCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300

Qy 739 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGCTGGAAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGCTGGAAACGGAAGCCC 360

Qy 799 AGCCTGTCACTGACGTTGACCCCTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCCCT-GGGCGAGGCTGACCAACCACT--ATGGATACCCG 417

Qy 859 CACTCTTCTTCTGAGGCCGACCCCGCCAGGCGAGGCTGTGTAGTCCAG 913
Db 418 CACTCTTCTTCTGAGGCCGACCCCGCCAGGCGAGGCTGTGTAGTCCAG 472

RESULT 12
US-09-589-184-342
; Sequence 342, Application US/09589184
; Patent No. 668647
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C8
; CURRENT APPLICATION NUMBER: US/09/589,184
; CURRENT FILING DATE: 2000-06-05
; NUMBER OF SEQ ID NOS: 827
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(472)
; OTHER INFORMATION: n = A,T,C or G
US-09-589-184-342

Query Match 35.6%; Score 438.4; DB 4; Length 472;
Best Local Similarity 97.9%; Pred. No. 4.6e-112;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;
QY 439 CTGGAGAAGGTGTGCAGGGAAACCCCTGCTGATGTACCCAGGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGAAACCCCTGCTGATGTACCCAGGCCAGGTTGCTTTCTAC 60
QY 499 TCGGGACACTCTTCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTGCAGGCA 558
Db 61 TCGGGACACTCTTCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTGCAGGCA 120
QY 559 CGACTCTGTGGAAGTGGGACGGCTGCTGCGACCCACAGTCCAGTTCTTCTGGTGCC 618
Db 121 CGACTCTGTGGAAGTGGGACGGCTGCTGCGACCCACAGTCCAGTTCTTCTGGTGCC 180
QY 619 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240
QY 679 CTTGTTGGCTCTCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCTCTCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300
QY 739 TTCTTCAAAGCCCGACCCCAACAGCACTGTCTGAAGGAGGAGGAGCTGGAAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCAACAGCACTGTCTGAAGGAGGAGGAGCTGGAAACGGAAGCCC 360
QY 799 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 913
QY 859 CACTCTTCTCTCTGAGGCGGACCCCGCCAGGCGAGGCTGTGTAGTCCAG 913
Db 418 CACTCTCTCTCTGAGGCGGACCCCGCCAGGCGAGGCTGTGTAGTCCAG 472

RESULT 13
US-09-658-824-342
; Sequence 342, Application US/09658824
; Patent No. 6746846
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C11
; CURRENT APPLICATION NUMBER: US/09/658,824
; CURRENT FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 1788
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(472)
; OTHER INFORMATION: n = A,T,C or G
US-09-658-824-342

Query Match 35.6%; Score 438.4; DB 4; Length 472;
Best Local Similarity 97.9%; Pred. No. 4.6e-112;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;
QY 439 CTGGAGAAGGTGTGCAGGGAAACCCCTGCTGATGTACCCAGGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGAAACCCCTGCTGATGTACCCAGGCCAGGTTGCTTTCTAC 60
QY 499 TCGGGACACTCTTCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTGCAGGCA 558
Db 61 TCGGGACACTCTTCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTGCAGGCA 120
QY 559 CGACTCTGTGGAAGTGGGACGGCTGCTGCGACCCACAGTCCAGTTCTTCTGGTGCC 618
Db 121 CGACTCTGTGGAAGTGGGACGGCTGCTGCGACCCACAGTCCAGTTCTTCTGGTGCC 180
QY 619 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240
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QY 799 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
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QY 859 CACTCTTCTCTCTGAGGCGGACCCCGCCAGGCGAGGCTGTGTAGTCCAG 913
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RESULT 14
US-09-702-705-1590
; Sequence 1590, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1590
; LENGTH: 434
; TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(434)
; OTHER INFORMATION: n = A,T,C or G
US-09-702-705-1590

Query Match          32.6%; Score 402; DB 4; Length 434;
Best Local Similarity 97.9%; Pred. No. 6.1e-102;
Matches 428; Conservative 0; Mismatches 6; Indels 3; Gaps 2;

QY 439 CTGGAGAGGTGTGCAGGGGAAACCCCTGCTGATGTCAACCGAGGCCAGGTTGTTCTTCTAC 498
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Db 181 TTTGCCCTCTACGTGGGCTACACCCGCGTGCTGTGATTACAAACACCACTGGAGCGATGTC 240

QY 679 CTTGTTGGCCTCTGCAGGGGCACTGGTGGTGCCCTCACTGTCTGCTACATCTCAGAC 738
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QY 799 AGCCTGTCACTGACGTTGACCTGGGGCGAGGTGACCAACCACTTATGGGATACCCG 858
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QY 859 CACTCTTCTTCTGAGG 875
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RESULT 15
US-09-736-457-1590
; Sequence 1590, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1590
; LENGTH: 434
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(434)

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OM nucleic - nucleic search, using sw model

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Gapop 10.0 , Gapext 1.0

Searched: 9794790 seqs, 4134909567 residues

Total number of hits satisfying chosen parameters: 19589580

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Listing first 45 summaries

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- 2: /cgn2_6/ptodata/2/pubpna/PT_NEW_PUB.seq.*
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- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PTUS_PUBCOMB.seq.*
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- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq2.*
- 14: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
- 23: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 24: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq2.*
- 25: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
- 26: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 27: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 28: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1198	97.2	1269	20	US-10-647-426-25 Sequence 25, Appl
2	1163	94.4	1303	24	US-10-765-700-117 Sequence 117, App
3	1117.4	90.7	1301	24	US-10-491-467-101 Sequence 101, App
4	442.6	35.9	472	9	US-09-736-457-273 Sequence 273, App
5	442.6	35.9	472	9	US-09-902-941-273 Sequence 273, App

6	442.6	35.9	472	9	US-09-849-626-273	Sequence 273, App
7	442.6	35.9	472	10	US-09-476-300-273	Sequence 273, App
8	442.6	35.9	472	15	US-10-017-754-273	Sequence 273, App
9	442.6	35.9	472	17	US-10-113-872-273	Sequence 273, App
10	442.6	35.9	472	18	US-10-283-017-273	Sequence 273, App
11	438.4	35.6	472	9	US-09-736-457-342	Sequence 342, App
12	438.4	35.6	472	9	US-09-902-941-342	Sequence 342, App
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17	438.4	35.6	472	18	US-10-283-017-342	Sequence 342, App
18	402	32.6	434	9	US-09-736-457-1590	Sequence 1590, Ap
19	402	32.6	434	9	US-09-902-941-1590	Sequence 1590, Ap
20	402	32.6	434	9	US-09-849-626-1590	Sequence 1590, Ap
21	402	32.6	434	15	US-10-017-754-1590	Sequence 1590, Ap
22	402	32.6	434	17	US-10-113-872-1590	Sequence 1590, Ap
23	402	32.6	434	18	US-10-283-017-1590	Sequence 1590, Ap
24	320	26.0	486	9	US-09-925-298-332	Sequence 332, App
25	320	26.0	486	15	US-10-102-806-332	Sequence 332, App
26	280.4	22.8	586	17	US-10-029-386-2864	Sequence 2864, Ap
27	266.4	21.6	269	17	US-10-029-386-16564	Sequence 16564, A
28	263.8	21.4	333	22	US-10-696-639-1931	Sequence 1931, Ap
29	253.2	20.6	1703	21	US-10-357-930-25877	Sequence 25877, A
30	245.4	19.9	871	18	US-10-191-803-154	Sequence 154, App
31	245.4	19.9	871	19	US-10-152-319A-1795	Sequence 1795, Ap
32	230.2	18.7	1043	20	US-10-647-426-21	Sequence 21, Appl
33	230.2	18.7	1043	21	US-10-643-795A-57	Sequence 57, Appl
34	230.2	18.7	1043	22	US-10-948-518-57	Sequence 57, Appl
35	230.2	18.7	1043	22	US-10-956-157-1105	Sequence 1105, Ap
36	216.2	17.5	1566	24	US-10-764-425-61	Sequence 61, Appl
37	211	17.1	1445	20	US-10-717-597-65	Sequence 65, Appl
38	209.4	17.0	1362	20	US-10-647-426-20	Sequence 20, Appl
39	209.4	17.0	1597	15	US-10-116-802-219	Sequence 219, App
40	207.8	16.9	253	18	US-10-305-720-301	Sequence 301, App
41	207.8	16.9	3162	14	US-10-044-090-607	Sequence 607, App
42	199	16.2	1444	9	US-09-880-107-3434	Sequence 3434, Ap
43	198.2	16.1	1096	19	US-10-287-226-345	Sequence 345, App
44	198.2	16.1	1388	19	US-10-287-226-347	Sequence 347, App
45	183	14.9	223	9	US-09-867-701-4581	Sequence 4581, Ap

ALIGNMENTS

RESULT 1
US-10-647-426-25
; Sequence 25, Application US/10647426
; Publication No. US20040110197A1
; GENERAL INFORMATION:
; APPLICANT: Skinner, Michael K.
; APPLICANT: Patton, Jodi L.
; TITLE OF INVENTION: A METHOD OF DETERMINING TUMOR CHARACTERISTICS BY
; TITLE OF INVENTION: DETERMINING ABNORMAL COPY NUMBER OR EXPRESSION LEVEL OF
; TITLE OF INVENTION: LIPID-ASSOCIATED GENES
; FILE REFERENCE: PATRICK EAGLEMAN: EMBOL-X 252/124
; CURRENT APPLICATION NUMBER: US/10/647,426
; CURRENT FILING DATE: 2003-08-26
; PRIOR APPLICATION NUMBER: US/09/676,052
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 1269
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1269)
; OTHER INFORMATION: The sequence of the cDNA coding for Phosphatidic
; OTHER INFORMATION: Acid Phosphatase type 2c
US-10-647-426-25

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Db	41	ACCATG	CAGCGGAGGTGGGCTTCGTGCTGCTCGACGTGCTGTACTTACTGGTCGCCTCC	100			
QY	61	CTGCCCTTCGCTATCCTGACGCTGGTGAACGCCGCCGTACAAAGCGAGGATTTTACTGCGGG	120				
Db	101	CTGCCCTTCGCTATCCTGACGCTGGTGAACGCCGCCGTACAAAGCGAGGATTTTACTGCGGG	160				
QY	121	GATGACTCCATCCGGTACCCCTACCGTCCAGATACCATCACCCACGGGCTCATGGCTGGG	180				
Db	161	GATGACTCCATCCGGTACCCCTACCGTCCAGATACCATCACCCACGGGCTCATGGCTGGG	220				
QY	181	GTCACCATCACGGCCACCGTCATCCTTGTCTCGGCCGGGAAGCCTACCTGGTGTACACA	240				
Db	221	GTCACCATCACGGCCACCGTCATCCTTGTCTCGGCCGGGAAGCCTACCTGGTGTACACA	280				
QY	241	GACCGGCTCTATTCTCGCTCGGACTTCAACAACCTACGTGGCTGCTGTATACAAGGTGCTG	300				
Db	281	GACCGGCTCTATTCTCGCTCGGACTTCAACAACCTACGTGGCTGCTGTATACAAGGTGCTG	340				
QY	301	GGGACCTTCCTGTTTGGGGCTGCCGTGAGCCAGTCTCTGACAGACCTGCGCAAGTACATG	360				
Db	341	GGGACCTTCCTGTTTGGGGCTGCCGTGAGCCAGTCTCTGACAGACCTGCGCAAGTACATG	400				
QY	361	ATTGGGCGTCTGAAGCCCRAACTTCCTAGCCGTCTGCGACCCCGACTGGAGCCGGTCAAC	420				
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QY	661	CACCACTGGAGCGATGTCCTTGTGGCCCTCCTGAGGGGCACTGGTGGCTGCCCTCACT	720				
Db	701	CACCACTGGAGCGATGTCCTTGTGGCCCTCCTGAGGGGCACTGGTGGCTGCCCTCACT	760				
QY	721	GTCTGCTACATCTCAGACTTCTTCAAAGCCCGACCCCCACAGCACTGTCTGAAGGAGGAG	780				
Db	761	GTCTGCTACATCTCAGACTTCTTCAAAGCCCGACCCCCACAGCACTGTCTGAAGGAGGAG	820				
QY	781	GAGCTGGAAACGGAAGCCACGCTGTCACTGACGTTGACCCCTGGGGCGAGGCTGACCAAA	840				
Db	821	GAGCTGGAAACGGAAGCCACGCTGTCACTGACGTTGACCCCT- GGGCGAGGCTGACCAAA	879				
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Db	880	CCACT--ATGGATACCCGCACTCTTCTTCTGAGGCGGAGCCCGCCCGCAGGAGGAGCT	937				
QY	901	GCTGTGAGTCCAGCTGATGCCACCCAGGTGGTCCCTCCAGCCTGGTTAGGCACTGAGGG	960				
Db	938	GCTGTGAGTCCAGCTGATGCCACCCAGGTGGTCCCTCCAGCCTGGTTAGGCACTGAGGG	997				
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QY	1141	GAGATCAGATAGT	TGCTGTTT	GTAAATGTAATGTATATCTGGTTTTAGTAAAAATAGG	1200
Db	1178	GAGATCAGATAGT	TGCTGTTT	GTAAATGTAATGTATATCTGGTTTTAGTAAAAATAGG	1237
QY	1201	GCACCTGTTT	CACAAAAA	AAAAAAAAAAAAA	1232
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RESULT 2					
US-10-765-700-117					
; Sequence 117, Application US/10765700					
; Publication No. US20050130171A1					
; GENERAL INFORMATION:					
; APPLICANT: Loring, Jeanne F.					
; APPLICANT: Tingley, Debora W.					
; APPLICANT: Edwards, Carla M.					
; TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE					
; FILE REFERENCE: PA-0024 US					
; CURRENT APPLICATION NUMBER: US/10/765,700					
; CURRENT FILING DATE: 2004-01-26					
; PRIOR APPLICATION NUMBER: US/09/566,921					
; PRIOR FILING DATE: PRIORT FILING DATE: 2000-05-05					
; NUMBER OF SEQ ID NOS: 138					
; SOFTWARE: PERL Program					
; SEQ ID NO 117					
; LENGTH: 1303					
; TYPE: DNA					
; ORGANISM: Homo sapiens					
; FEATURE:					
; NAME/KEY: misc feature					
; OTHER INFORMATION: Incyte ID No: 202234.2					
US-10-765-700-117					

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QY	61	CTGCCCTTCGCTAT	CCTGACGCTGGTGAACGCCCGGTACAAGCGAGGATTTTACTGCGGG	120			
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QY	121	GATGACTCCAT	CCGCTACCCCTACCGTCCAGATACCATCACCCACGGGCTCATGGCTGGG	180			
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QY	181	GTACACCAT	CACGGCCACCGTCACTCTTGTCTCGGCCGGGAAGCCTACCTGGTGTACACA	240			
Db	256	GTACACCAT	CACGGCCACCGTCACTCTTGTCTCGGCCGGGAAGCCTACCTGGTGTACACA	315			
QY	241	GACCGGCTCTATT	CTCGCTCGGACTTCAACAACTACGTGGCTGCTGTATACAAGGTGCTG	300			
Db	316	GACCGGCTCTATT	CTCGCTCGGACTTCAACAACTACGTGGCTGCTGTATACAAGGTGCTG	375			
QY	301	GGGACCTTCCTGT	TTTGGGGCTGCCGTGAGCCAGTCTCTGACAGACCTGGCCAAAGTACATG	360			
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QY	361	ATTGGGGCGTCTGA	AGCCCAACTTTCCTAGCCGTCTGCCGACCCCGACTGGAGCCGGGTCAAC	420			
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Qy 694 CAGGGGGCACTGCTGGCTGCCCTCACTGCTGCTACATCTCAGACTTCTTCAAAGCCCGA 753
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Db 870 GGCCGGACCCGCCCGCAGGAGGAGCTGTGTGAGTCCAGCTGAGGCCACCCAGGTGGT 929
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Qy 1112 TCTTTTATGGGGTTAAGGAAGGGACCGAGAGATCAGATAGTGTGTTTTGTAATAATGT 1171
Db 1110 TCTTTTATGGGGTTAAGGAAGGGACCGAGAGATCAGATAGTGTGTTTTGTAATAATGT 1169
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Db 1170 AATGTATATGTTGTTTTAGTAAAAATAGGCACCTGTTTTCACAAAAAAGGAGAGAGAGAG 1229
Qy 1232 A 1232
Db 1230 A 1230
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; Sequence 273, Application US/09736457
; Patent No. US20020168637A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 273
```

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; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-273

Query Match      35.9%; Score 442.6; DB 9; Length 472;
Best Local Similarity 98.5%; Pred. No. 3e-123;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

Qy 439 CTGGAGAAGGTGTGACAGGGGAAACCCCTGCTGATGTACCCGAGGCCAGGTGTCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGACAGGGGAAACCCCTGCTGATGTACCCGAGGCCAGGTGTCTTTCTAC 60
Qy 499 TCGGACACACTCTTCTTTGGGATGATGCTGATGCTGCTTGGCGCTGTATGTGCAGGCA 558
Db 61 TCGGACACACTCTTCTTTGGGATGATGCTGATGCTGCTTGGCGCTGTATGTGCAGGCA 120
Qy 559 CGACTCTGTGGAGTGGGCACCGGCTGCTGCGACCCACAGTCCAGTCTTCTTGGTGCC 618
Db 121 CGACTCTGTGGAGTGGGCACCGGCTGCTGCGACCCACAGTCCAGTCTTCTTGGTGCC 180
Qy 619 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGTATTAACAAACACCACTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGTATTAACAAACACCACTGGAGCGATGTC 240
Qy 679 CTTGTGGCCCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGTCTACATCTCAGAC 738
Db 241 CTTGTGGCCCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGTCTACATCTCAGAC 300
Qy 739 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAAACGGAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAAACGGAGCCC 360
Qy 799 AGCTGTCTCACTGACGTTGACCCCTGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCTGTCTCACTGACGTTGACCCCT-GGGCGAGGCTGACCAACCACT--ATGGATACCCG 417
Qy 859 CACTCTTCTTCTTGAGGCCGCGACCCCGCCAGGCGAGGAGCTGCTGTGAGTCCAG 913
Db 418 CACTCTTCTTCTTGAGGCCGCGACCCCGCCAGGCGAGGAGCTGCTGTGAGTCCAG 472
```

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RESULT 5
US-09-902-941-273
; Sequence 273, Application US/09902941
; Patent No. US20020172952A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C17
; CURRENT APPLICATION NUMBER: US/09/902,941
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 2002
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-941-273

Query Match      35.9%; Score 442.6; DB 9; Length 472;
Best Local Similarity 98.5%; Pred. No. 3e-123;
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Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;
QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTCTTTCTAC 60
QY 499 TCGGGACACTCTTCCTTTTGGGATGTACTGCATGCTGTCTTGGCGCTGTATGTGCAGGCA 558
Db 61 TCGGGACACTCTTCCTTTTGGGATGTACTGCATGCTGTCTTGGCGCTGTATGTGCAGGCA 120
QY 559 CGACTCTGTTGGAAGTGGGCACGCTGCTGCGACCCACAGTCCAGTTCTTCCCTGGTGGCC 618
Db 121 CGACTCTGTTGGAAGTGGGCACGCTGCTGCGACCCACAGTCCAGTTCTTCCCTGGTGGCC 180
QY 619 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240
QY 679 CTTGTTGGCCTCCTGCAGGGGSCACTGGTGGCTGCCCTCACTGTCTGTCTACATCTCAGAC 738
Db 241 CTTGTTGGCCTCCTGCAGGGGSCACTGGTGGCTGCCCTCACTGTCTGTCTACATCTCAGAC 300
QY 739 TTCTTCAAAGCCCGACCCACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360
QY 799 AGCCTGTCACTGACGTTGACCCCTGGGGGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCCCTGGGGGAGGCTGACCAACCACT--ATGGATACCCG 417
QY 859 CACTCTTCTTCTGAGGCCGAGCCGCCGCCAGGAGGAGCTGTGTGAGTCCAG 913
Db 418 CACTCTTCTTCTGAGGCCGAGCCGCCGCCAGGAGGAGCTGTGTGAGTCCAG 472
```

RESULT 6

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US-09-849-626-273
; Sequence 273, Application US/09849626
; Publication No. US20020197669A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya
; APPLICANT: Fanger, Gary
; APPLICANT: Wang, Aijun
; APPLICANT: Wang, Tongtong
; APPLICANT: Switzer, Anne
; APPLICANT: McNeill, Patricia
; APPLICANT: Clapper, Jonathan
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C16
; CURRENT APPLICATION NUMBER: US/09/849,626
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 1926
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-849-626-273
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Query Match 35.9%; Score 442.6; DB 9; Length 472;
Best Local Similarity 98.5%; Pred. No. 3e-123;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;
QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTCTTTCTAC 60
QY 499 TCGGGACACTCTTCCTTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTGCAGGCA 558
Db 61 TCGGGACACTCTTCCTTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTGCAGGCA 120
QY 559 CGACTCTGTTGGAAGTGGGCACGCTGCTGCGACCCACAGTCCAGTTCTTCTGGTGGCC 618
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Db 121 CGACTCTGTTGGAAGTGGGCACGCTGCTGCGACCCACAGTCCAGTTCTTCTGGTGGCC 180
QY 619 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240
QY 679 CTTGTTGGCCTCCTGCAGGGGSCACTGGTGGCTGCCCTCACTGTCTGTCTACATCTCAGAC 738
Db 241 CTTGTTGGCCTCCTGCAGGGGSCACTGGTGGCTGCCCTCACTGTCTGTCTACATCTCAGAC 300
QY 739 TTCTTCAAAGCCCGACCCACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360
QY 799 AGCCTGTCACTGACGTTGACCCCTGGGGGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCCCTGGGGGAGGCTGACCAACCACT--ATGGATACCCG 417
QY 859 CACTCTTCTTCTGAGGCCGAGCCGCCGCCAGGAGGAGCTGTGTGAGTCCAG 913
Db 418 CACTCTTCTTCTGAGGCCGAGCCGCCGCCAGGAGGAGCTGTGTGAGTCCAG 472
```

RESULT 7

```
US-09-476-300-273
; Sequence 273, Application US/09476300
; Publication No. US20030125245A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C3
; CURRENT APPLICATION NUMBER: US/09/476,300
; CURRENT FILING DATE: 1999-12-30
; NUMBER OF SEQ ID NOS: 785
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-476-300-273
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```
Query Match 35.9%; Score 442.6; DB 10; Length 472;
Best Local Similarity 98.5%; Pred. No. 3e-123;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;
QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTCTTTCTAC 60
QY 499 TCGGGACACTCTTCCTTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTGCAGGCA 558
Db 61 TCGGGACACTCTTCCTTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTGCAGGCA 120
QY 559 CGACTCTGTTGGAAGTGGGCACGCTGCTGCGACCCACAGTCCAGTTCTTCTGGTGGCC 618
Db 121 CGACTCTGTTGGAAGTGGGCACGCTGCTGCGACCCACAGTCCAGTTCTTCTGGTGGCC 180
QY 619 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240
QY 679 CTTGTTGGCCTCCTGCAGGGGSCACTGGTGGCTGCCCTCACTGTCTGTCTACATCTCAGAC 738
Db 241 CTTGTTGGCCTCCTGCAGGGGSCACTGGTGGCTGCCCTCACTGTCTGTCTACATCTCAGAC 300
QY 739 TTCTTCAAAGCCCGACCCACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360
QY 799 AGCCTGTCACTGACGTTGACCCCTGGGGGAGGCTGACCAACCACTTATGGGATACCCG 858
```

Db 361 AGCCTGTCACTGACGTTGACCCT-GGGCGAGGCTGACCACAACCACT--ATGGATACCCG 417
Qy 859 CACTCTTCTTCTGAGGCGGACCCCGCCAGGCGAGGAGCTGCTGTGAGTCCAG 913
Db 418 CACTCTCTCTCTGAGGCGGACCCCGCCAGGCGAGGAGCTGCTGTGAGTCCAG 472

RESULT 8

US-10-017-754-273
; Sequence 273, Application US/10017754
; Publication No. US20030054363A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.478C18
; CURRENT APPLICATION NUMBER: US/10-10-29
; NUMBER OF SEQ ID NOS: 2004
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-017-754-273

Query Match 35.9%; Score 442.6; DB 15; Length 472;
Best Local Similarity 98.5%; Pred. No. 3e-123;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

Qy 439 CTGGAGAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGCTTTCTAC 60
Qy 499 TCGGACACTCTTCCCTTTGGGATGACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGACACTCTTCCCTTTGGGATGACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 120
Qy 559 CGACTCTGTGGAAGTGGGCACGGCTGCTGCGACCCACAGTCCAGTTCCTCGTGGGCC 618
Db 121 CGACTCTGTGGAAGTGGGCACGGCTGCTGCGACCCACAGTCCAGTTCCTCGTGGGCC 180
Qy 619 TTTGCCCTCTACGTGGGTACACCCCGGTCTGATTACAAACACCACTGGAGCGATGC 678
Db 181 TTTGCCCTCTACGTGGGTACACCCCGGTCTGATTACAAACACCACTGGAGCGATGC 240
Qy 679 CTTGTTGGCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300
Qy 739 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360
Qy 799 AGCCTGTCACTGACGTTGACCCTTGGGCGGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCCT-GGGCGAGGCTGACCAACCACT--ATGGATACCCG 417
Qy 859 CACTCTTCTTCTGAGGCGGACCCCGCCAGGCGAGGAGCTGCTGTGAGTCCAG 913
Db 418 CACTCTCTCTCTGAGGCGGACCCCGCCAGGCGAGGAGCTGCTGTGAGTCCAG 472

RESULT 9

US-10-113-872-273
; Sequence 273, Application US/10113872
; Publication No. US20030170255A1
; GENERAL INFORMATION:
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.478C19
; CURRENT APPLICATION NUMBER: US/10/113,872
; CURRENT FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 2011
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-113-872-273

Query Match 35.9%; Score 442.6; DB 17; Length 472;
Best Local Similarity 98.5%; Pred. No. 3e-123;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

Qy 439 CTGGAGAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGCTTTCTAC 498
Db 1 CTGGAGAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGCTTTCTAC 60
Qy 499 TCGGACACTCTTCCCTTTGGGATGACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGACACTCTTCCCTTTGGGATGACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 120
Qy 559 CGACTCTGTGGAAGTGGGCACGGCTGCTGCGACCCACAGTCCAGTTCCTCGTGGGCC 618
Db 121 CGACTCTGTGGAAGTGGGCACGGCTGCTGCGACCCACAGTCCAGTTCCTCGTGGGCC 180
Qy 619 TTTGCCCTCTACGTGGGTACACCCCGGTCTGATTACAAACACCACTGGAGCGATGC 678
Db 181 TTTGCCCTCTACGTGGGTACACCCCGGTCTGATTACAAACACCACTGGAGCGATGC 240
Qy 679 CTTGTTGGCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCTCTGCGAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300
Qy 739 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCGACAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360
Qy 799 AGCCTGTCACTGACGTTGACCCTTGGGCGGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCCT-GGGCGAGGCTGACCAACCACT--ATGGATACCCG 417
Qy 859 CACTCTTCTTCTGAGGCGGACCCCGCCAGGCGAGGAGCTGCTGTGAGTCCAG 913
Db 418 CACTCTCTCTCTGAGGCGGACCCCGCCAGGCGAGGAGCTGCTGTGAGTCCAG 472

RESULT 10

US-10-283-017-273
; Sequence 273, Application US/10283017
; Publication No. US20030211510A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Kalos, Michael D.
; APPLICANT: Sleath, Paul R.

; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Durham, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.478C20
; CURRENT APPLICATION NUMBER: US/10/283,017
; CURRENT FILING DATE: 2002-10-28
; NUMBER OF SEQ ID NOS: 2157
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 273
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-283-017-273

Query Match 35.9%; Score 442.6; DB 18; Length 472;
Best Local Similarity 98.5%; Pred. No. 3e-123;
Matches 468; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTTTCTAC 60

QY 499 TCGGGACACTCTTCCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGGACACTCTTCCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 120

QY 559 CGACTCTGTTGGAAGTGGGACGGCTGCTGGACCCACAGTCCAGTTCTTCTCGTGGCC 618
Db 121 CGACTCTGTTGGAAGTGGGACGGCTGCTGGACCCACAGTCCAGTTCTTCTCGTGGCC 180

QY 619 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240

QY 679 CTTGTTGGCCCTCTGTCAGGGGGCACTGGTGGTGGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCCCTCTGTCAGGGGGCACTGGTGGTGGCCCTCACTGTCTGCTACATCTCAGAC 300

QY 739 TTCTTCAAAGCCCGACCCCAAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCAAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360

QY 799 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGTACCAACACCACCTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGTACCAACACCACCTTATGGGATACCCG 417

QY 859 CACTCTTCTCTGAGCCGCGGACCCCGCCAGGCGAGGCTGTGTGAGTCCAG 913
Db 418 CACTCTTCTCTGAGCCGCGGACCCCGCCAGGCGAGGCTGTGTGAGTCCAG 472

RESULT 11
US-09-736-457-342
; Sequence 342, Application US/09736457
; Patent No. US2002016837A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(472)
; OTHER INFORMATION: n = A,T,C or G
US-09-736-457-342

Query Match 35.6%; Score 438.4; DB 9; Length 472;
Best Local Similarity 97.9%; Pred. No. 5.6e-122;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

QY 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGGTTGTTTCTAC 60

QY 499 TCGGGACACTCTTCCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGGACACTCTTCCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 120

QY 559 CGACTCTGTTGGAAGTGGGACGGCTGCTGGACCCACAGTCCAGTTCTTCTCGTGGCC 618
Db 121 CGACTCTGTTGGAAGTGGGACGGCTGCTGGACCCACAGTCCAGTTCTTCTCGTGGCC 180

QY 619 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240

QY 679 CTTGTTGGCCCTCTGTCAGGGGGCACTGGTGGTGGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCCCTCTGTCAGGGGGCACTGGTGGTGGCCCTCACTGTCTGCTACATCTCAGAC 300

QY 739 TTCTTCAAAGCCCGACCCCAAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCAAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360

QY 799 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGTACCAACACCACCTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCTTGGGCGAGGCTGTACCAACACCACCTTATGGGATACCCG 417

QY 859 CACTCTTCTCTGAGCCGCGGACCCCGCCAGGCGAGGCTGTGTGAGTCCAG 913
Db 418 CACTCTTCTCTGAGCCGCGGACCCCGCCAGGCGAGGCTGTGTGAGTCCAG 472

RESULT 12
US-09-902-941-342
; Sequence 342, Application US/09902941
; Patent No. US20020172952A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C17

```
; CURRENT APPLICATION NUMBER: US/09/902,941
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 2002
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 109
; OTHER INFORMATION: n = A,T,C or G
US-09-902-941-342

Query Match      35.6%; Score 438.4; DB 9; Length 472;
Best Local Similarity 97.9%; Pred. No. 5.6e-122;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

Qy 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGTTGTCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGTTGTCTTTCTAC 60

Qy 499 TCGGACACTCTTCCCTTTGGGATGTACTGATGGTGTCTTCTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGACACTCTTCCCTTTGGGATGTACTGATGGTGTCTTCTTGGCGCTGTATGTCAGGCA 120

Qy 559 CGACTCTGTGGAAAGTGGGACGGCTGCTCGACCCACAGTCCAGTTCTTCTGGTGGCC 618
Db 121 CGACTCTGTGGAAAGTGGGACGGCTGCTCGACCCACAGTCCAGTTCTTCTGGTGGCC 180

Qy 619 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240

Qy 679 CTTGTTGGCCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300

Qy 739 TTCTTCAAAGCCCGACCCCCACAGCACTGTCTGAAGGAGGAGGCTGGAAACGGAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCCACAGCACTGTCTGAAGGAGGAGGCTGGAAACGGAGCCC 360

Qy 799 AGCCTGTCACTGACGTTGACCTGGGCGGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCT--GGGCGAGGCTGACCAACCACT--ATGGATACCCG 417

Qy 859 CACTCTTCTTCTGAGGCCGACCCCGCCAGGCGAGGCTGTGTGAGTCCAG 913
Db 418 CACTCTCTCTCTGAGGCCGACCCCGCCAGGCGAGGCTGTGTGAGTCCAG 472
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RESULT 13
US-09-849-626-342
; Sequence 342, Application US/09849626
; Publication No. US20020197669A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya
; APPLICANT: Fanger, Gary
; APPLICANT: Wang, Aijun
; APPLICANT: Wang, Tongtong
; APPLICANT: Switzer, Anne
; APPLICANT: McNeill, Patricia
; APPLICANT: Clapper, Jonathan
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C16
; CURRENT APPLICATION NUMBER: US/09/849,626
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 1926
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
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; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(472)
; OTHER INFORMATION: n = A,T,C or G
US-09-849-626-342

Query Match      35.6%; Score 438.4; DB 9; Length 472;
Best Local Similarity 97.9%; Pred. No. 5.6e-122;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

Qy 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGTTGTCTTTCTAC 498
Db 1 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGTTGTCTTTCTAC 60

Qy 499 TCGGACACTCTTCCCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTCAGGCA 558
Db 61 TCGGACACTCTTCCCTTTGGGATGTACTGATGGTGTCTTGGCGCTGTATGTCAGGCA 120

Qy 559 CGACTCTGTGGAAAGTGGGACGGCTGCTCGACCCACAGTCCAGTTCTTCTGGTGGCC 618
Db 121 CGACTCTGTGGAAAGTGGGACGGCTGCTCGACCCACAGTCCAGTTCTTCTGGTGGCC 180

Qy 619 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db 181 TTTGCCCTCTACGTGGGCTACACCCCGCTGTCTGATTACAAACACCACCTGGAGCGATGTC 240

Qy 679 CTTGTTGGCCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db 241 CTTGTTGGCCTCCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300

Qy 739 TTCTTCAAAGCCCGACCCCCACAGCACTGTCTGAAGGAGGAGGCTGGAAACGGAGCCC 798
Db 301 TTCTTCAAAGCCCGACCCCCACAGCACTGTCTGAAGGAGGAGGCTGGAAACGGAGCCC 360

Qy 799 AGCCTGTCACTGACGTTGACCTGGGCGGAGGCTGACCAACCACTTATGGGATACCCG 858
Db 361 AGCCTGTCACTGACGTTGACCT--GGGCGAGGCTGACCAACCACT--ATGGATACCCG 417

Qy 859 CACTCTTCTTCTGAGGCCGACCCCGCCAGGCGAGGCTGTGTGAGTCCAG 913
Db 418 CACTCTCTCTCTGAGGCCGACCCCGCCAGGCGAGGCTGTGTGAGTCCAG 472

RESULT 14
US-09-476-300-342
; Sequence 342, Application US/09476300
; Publication No. US20030125245A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C3
; CURRENT APPLICATION NUMBER: US/09/476,300
; CURRENT FILING DATE: 1999-12-30
; NUMBER OF SEQ ID NOS: 785
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(472)
; OTHER INFORMATION: n = A,T,C or G
US-09-476-300-342

Query Match      35.6%; Score 438.4; DB 10; Length 472;
Best Local Similarity 97.9%; Pred. No. 5.6e-122;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

Qy 439 CTGGAGAAGGTGTGCAGGGGAAACCCCTGCTGATGTACCGAGGCCAGTTGTCTTTCTAC 498
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Db      1. CTGGAGAGGTGTGCAGGGAAACCTGCTGATGTACCGAGCCAGGTTGCTTTCTAC 60
QY      499 TCGGGACACTCTTCCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 558
Db      61 TCGGGACACTCTTCCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGNATGTCAGGCA 120
QY      559 CGACTCTGTTGGAAGTGGGACGGCTGCTGCACCCACAGTCCAGTTCTTCTGGTGGCC 618
Db      121 CGACTCTGTTGGAAGTGGGACGGCTGCTGCACCCACAGTCCAGTTCTTCTGGTGGCC 180
QY      619 TTTGCCCTCTACGTGGGCTACACCCCGTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db      181 TTTGCCCTCTACGTGGGCTACACCCCGTGTCTGATTACAAACACCACCTGGAGCGATGTC 240
QY      679 CTTGTTGGCCTCTCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db      241 CTTGTTGGCCTCTCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300
QY      739 TTCTTCAAAGCCCGACCCCAAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db      301 TTCTTCAAAGCCCGACCCCAAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360
QY      799 AGCCTGTCACTGACGTTGACCCCTGGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
Db      361 AGCCTGTCACTGACGTTGACCCCTGGGGCGAGGCTGACCAACCACT--ATGGATACCCG 417
QY      859 CACTCTTCTCTGAGGCGGACCCCGCCAGGAGGAGGAGCTGTGTGAGTCCAG 913
Db      418 CACTCTCTCTCTGAGGCGGACCCCGCCAGGAGGAGGAGCTGTGTGAGTCCAG 472
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RESULT 15

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US-10-017-754-342
; Sequence 342, Application US/10017754
; Publication No. US20030054363A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darriack
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C18
; CURRENT APPLICATION NUMBER: US/10/017,754
; CURRENT FILING DATE: 2001-10-29
; NUMBER OF SEQ ID NOS: 2004
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 342
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 109
; OTHER INFORMATION: n = A,T,C or G
US-10-017-754-342
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Query Match      35.6%; Score 438.4; DB 15; Length 472;
Best Local Similarity 97.9%; Pred. No. 5.6e-122;
Matches 465; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

QY      439 CTGGAGAGGTGTGCAGGGAAACCTGCTGATGTACCGAGGCCAGGTTGCTTTCTAC 498
Db      1 CTGGAGAGGTGTGCAGGGAAACCTGCTGATGTACCGAGGCCAGGTTGCTTTCTAC 60
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QY      499 TCGGGACACTCTTCCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTCAGGCA 558
Db      61 TCGGGACACTCTTCCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGNATGTCAGGCA 120
QY      559 CGACTCTGTTGGAAGTGGGACGGCTGCTGCACCCACAGTCCAGTTCTTCTGGTGGCC 618
Db      121 CGACTCTGTTGGAAGTGGGACGGCTGCTGCACCCACAGTCCAGTTCTTCTGGTGGCC 180
QY      619 TTTGCCCTCTACGTGGGCTACACCCCGTGTCTGATTACAAACACCACCTGGAGCGATGTC 678
Db      181 TTTGCCCTCTACGTGGGCTACACCCCGTGTCTGATTACAAACACCACCTGGAGCGATGTC 240
QY      679 CTTGTTGGCCTCTCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 738
Db      241 CTTGTTGGCCTCTCTGCAGGGGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAGAC 300
QY      739 TTCTTCAAAGCCCGACCCCAAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 798
Db      301 TTCTTCAAAGCCCGACCCCAAGCACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCC 360
QY      799 AGCCTGTCACTGACGTTGACCCCTGGGGCGAGGCTGACCAACCACTTATGGGATACCCG 858
Db      361 AGCCTGTCACTGACGTTGACCCCTGGGGCGAGGCTGACCAACCACT--ATGGATACCCG 417
QY      859 CACTCTTCTCTGAGGCGGACCCCGCCAGGAGGAGGAGCTGTGTGAGTCCAG 913
Db      418 CACTCTCTCTCTGAGGCGGACCCCGCCAGGAGGAGGAGCTGTGTGAGTCCAG 472
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Search completed: November 12, 2005, 02:54:55
Job time : 1080.79 secs

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Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 2, 2005, 21:27:15 ; Search time 16.9516 Seconds
(without alignments)
1215.413 Million cell updates/sec

Title: US-08-842-827-8

Perfect score: 1453

Sequence: 1 MRRRWVFLVDVLCLLVASL.....KEEELERKPSLSLTTLGRG 276

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	796	54.8	282	4	US-09-360-376-54
2	793.5	54.6	283	3	US-08-992-035A-3
3	793.5	54.6	283	4	US-09-360-376-53
4	776	53.4	285	3	US-08-992-035A-1
5	483	33.2	233	4	US-09-360-376-55
6	413.5	28.5	323	4	US-09-122-315C-18
7	392.5	27.0	412	4	US-09-270-767-43247
8	236	16.2	314	4	US-09-360-376-14
9	235.5	16.2	348	4	US-09-360-376-13
10	232.5	16.0	322	4	US-09-360-376-16
11	225	15.5	343	4	US-09-360-376-17
12	219	15.1	290	4	US-09-360-376-12
13	204.5	14.1	310	4	US-09-360-376-15
14	164	11.3	296	4	US-09-248-796A-15661
15	160.5	11.0	289	4	US-09-360-376-52
16	150	10.3	243	4	US-09-248-796A-15660
17	145	10.0	274	4	US-09-538-092-217
18	105.5	7.3	126	4	US-09-621-976-4116
19	93.5	6.4	305	4	US-09-710-279-2536
20	92	6.3	466	2	US-08-406-855A-23
21	92	6.3	466	3	US-09-206-899-23
22	92	6.3	676	4	US-09-815-923-12
23	90	6.2	476	4	US-09-328-352-4782
24	89.5	6.2	295	4	US-09-107-532A-6497
25	89	6.1	230	4	US-09-621-976-4022
26	89	6.1	301	4	US-09-902-540-16211
27	88	6.1	466	4	US-09-688-415-11

28	87.5	6.0	411	4	US-09-540-236-3549	Sequence 3549, Ap
29	87	6.0	429	2	US-08-748-485-7	Sequence 7, Appli
30	87	6.0	429	4	US-09-919-039-6	Sequence 6, Appli
31	87	6.0	466	1	US-08-722-001-12	Sequence 12, Appli
32	87	6.0	466	2	US-08-467-568-11	Sequence 11, Appli
33	87	6.0	466	2	US-09-030-582-11	Sequence 11, Appli
34	86.5	6.0	324	4	US-09-549-848B-34	Sequence 34, Appli
35	86.5	6.0	561	4	US-09-134-000C-4759	Sequence 4759, Ap
36	86.5	6.0	1509	4	US-09-676-519-27	Sequence 27, Appli
37	85	5.8	208	3	US-09-134-001C-3209	Sequence 3209, Ap
38	85	5.8	375	1	US-08-118-270-17	Sequence 17, Appli
39	85	5.8	375	5	PCT-US93-08528-17	Sequence 17, Appli
40	84.5	5.8	673	4	US-09-248-796A-20413	Sequence 20413, A
41	84	5.8	233	3	US-09-134-001C-4013	Sequence 4013, Ap
42	83	5.7	159	4	US-09-602-787A-102	Sequence 102, App
43	83	5.7	204	4	US-09-710-279-412	Sequence 412, App
44	83	5.7	204	4	US-09-710-279-1218	Sequence 1218, Ap
45	83	5.7	466	1	US-08-334-698-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-09-360-376-54
; Sequence 54, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 54
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Rattus sp.
US-09-360-376-54

Query Match	54.8%	Score	796;	DB	4;	Length	282;
Best Local Similarity	56.7%	Pred. No.	2.3e-77;				
Matches	153;	Conservative	46;	Mismatches	61;	Indels	10;
						Gaps	4;
Qy	4	RWVFVLLDVLCLLVASLPFAILT	LVNAPYKRGFYCGDDSI	RYPYRPT	ITITHGLMAGVTIT	63	
Db	6	RLPYVLDVICVLLAGLPFIILTSRHT	PFQRGVFC	TDSEIKYPYREDT	TIYALLGGIVIP	65	
Qy	64	ATVILVSAGEAYLVYTDRLYSRSD	F-NNYVAAVYKVLGTF	LFGAAVSQSL	TDLAKYMIGR	122	
Db	66	FCIIIVMITGETLSVYFNVLSNSFV	SNHYIATIKAVGAP	LFGASASQSL	TDIAKYSIGR	125	
Qy	123	LKPNFLAVCDPDWSRVNCS-VYVQ	LEKVCGRNPADVTEAR	LSFYSGHSSFG	MYCMVFLAL	181	
Db	126	LRPHFLAVCNPDWSKINCS	GDYIE-NFVCQNEQK	VREGRLSFYSGHSS	FSMCMFLVAL	184	
Qy	182	YVQARLCWKWARLLRPTVQFF	LVAFALYVGYTRVSDYKH	WSDVLVGLLQ	GALVAALTVC	241	
Db	185	YLQARMKGDWARLLRPMQLQ	FLVALSIYVGLSRVSDYKH	WSDVLIGLIQ	GAWVAILVVL	244	
Qy	242	YISDFFKARPPQHCLKEELERK	PSLSLTL	271			
Db	245	YVTDFFKKT-----TESN	KERKEDSHTTL	267			

RESULT 2
US-08-992-035A-3
; Sequence 3, Application US/08992035A
; Patent No. 6242179


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;
; GENERAL INFORMATION:
; APPLICANT: Shah, Purvi
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; TITLE OF INVENTION: HUMAN PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/992,035A
; FILING DATE: December 17, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0433 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 283 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: 1487873
;
US-08-992-035A-3

Query Match 54.6%; Score 793.5; DB 3; Length 283;
Best Local Similarity 56.0%; Pred. No. 4.3e-77;
Matches 150; Conservative 49; Mismatches 62; Indels 7; Gaps 5;

Qy 4 RWVFVLLDVLCVLLVSLPFAILLTLVNAKYKRGFYCGDDSIKYPYRPTDITHTGLMAGVTIT 63
Db 6 RLPYVALDVICVLLAGLPFAILLTSRHTPFQGFICNDSDSIKYPYKEDTIPYALLGGIVIP 65

Qy 64 ATVILVSAGEAYLVYTDRLYSRSDFNN-YVAAVYKVLGTFLLFGAAVSQSLLDLAKYMIGR 122
Db 66 FCIIVMSIGESLSVYFNVLSHSFVGNPYTIATYKAVGAFLLFGVSASQSLLTDIAKYTIGS 125

Qy 123 LKPNFLAVCDPDWSRVNCS-VYVQLEKVCRCGNPADVTEARLSFYSGHSSFGMYCMVFLAL 181
Db 126 LRPFLAICNPDWSKINCSGYIE-DYICQNEEKVKEGRLSFYSGHSSFGMYCMVFLAL 184

Qy 182 YVQARLCWKWARLLRPTVQFFLVAFALYVGYTRVSDYKHWSVDLVGLLOGALVAALTVC 241
Db 185 YLQARMKGDWARLLRPMQLQGLIAFSIYVGLSRVSDYKHWSVDVTVGLIQGAAMAILVAL 244

Qy 242 YISDFFKARPPQHCLKEEELERKPSLSL 269
Db 245 YVSDFFK---DTHSYKERK-EEDPHTTL 268

RESULT 3
US-09-360-376-53
; Sequence 53, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53
; LENGTH: 283
; TYPE: PRT
; ORGANISM: Mus musculus
;
US-09-360-376-53

Query Match 54.6%; Score 793.5; DB 4; Length 283;
Best Local Similarity 56.0%; Pred. No. 4.3e-77;
Matches 150; Conservative 49; Mismatches 62; Indels 7; Gaps 5;

Qy 4 RWVFVLLDVLCVLLVSLPFAILLTLVNAKYKRGFYCGDDSIKYPYRPTDITHTGLMAGVTIT 63
Db 6 RLPYVALDVICVLLAGLPFAILLTSRHTPFQGFICNDSDSIKYPYKEDTIPYALLGGIVIP 65

Qy 64 ATVILVSAGEAYLVYTDRLYSRSDFNN-YVAAVYKVLGTFLLFGAAVSQSLLDLAKYMIGR 122
Db 66 FCIIVMSIGESLSVYFNVLSHSFVGNPYTIATYKAVGAFLLFGVSASQSLLTDIAKYTIGS 125

Qy 123 LKPNFLAVCDPDWSRVNCS-VYVQLEKVCRCGNPADVTEARLSFYSGHSSFGMYCMVFLAL 181
Db 126 LRPFLAICNPDWSKINCSGYIE-DYICQNEEKVKEGRLSFYSGHSSFGMYCMVFLAL 184

Qy 182 YVQARLCWKWARLLRPTVQFFLVAFALYVGYTRVSDYKHWSVDLVGLLOGALVAALTVC 241
Db 185 YLQARMKGDWARLLRPMQLQGLIAFSIYVGLSRVSDYKHWSVDVTVGLIQGAAMAILVAL 244

Qy 242 YISDFFKARPPQHCLKEEELERKPSLSL 269
Db 245 YVSDFFK---DTHSYKERK-EEDPHTTL 268

RESULT 4
US-08-992-035A-1
; Sequence 1, Application US/08992035A
; Patent No. 6242179
; GENERAL INFORMATION:
; APPLICANT: Shah, Purvi
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; TITLE OF INVENTION: HUMAN PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/992,035A
; FILING DATE: December 17, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0433 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 283 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: 1487873
;
US-08-992-035A-3
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RESULT 3

US-09-360-376-53

; Sequence 53, Application US/09360376

; Patent No. 6495739

; GENERAL INFORMATION:

Query Match 27.0%; Score 392.5; DB 4; Length 412;
Best Local Similarity 37.1%; Pred. No. 1.1e-33;
Matches 95; Conservative 37; Mismatches 87; Indels 37; Gaps 9;

Qy 4 RWVF--VLLDVLLVASLPPFAILLTLVNAPYKRGFYCGDD--SIRYPYRPTTITHG---LMA 58
Db 110 RQIFGRILTDCLLSCVGLPMLGFSLWGEAVKRGFFCDDSLRHPYRDSWILYLMC 169

Qy 59 GVTITATVILVSAGEAYLVYTDRLYS-----RSDFNYYAAVYKVLGTFLF 104
Db 170 G-ALPLTVMLV--EFFRGQDKRLHSPFPKSTMCSGYHLCHELPTWLVECYHRMGIFIF 226

Qy 105 GAAVSQSLTDLAKYMGIRLKNFLAVCDPW-----SRVNCVVYVQLEKVCGRGNPADV 157
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Qy 158 T-----EARLSFYSGHSSFGMYCMVFLALYVQARLCWKWARLLRPTVQFELVAFALYVGY 212
Db 284 TSKQLKDMRLSFPFGHAFACYSMLYLVYIYHRRMQWQLRMLCHLLQLLMLFAWYTAL 343

Qy 213 TRVSDYKHHWSDVLVG 228
Db 344 TRVSDYKHHWSDVLVG 359

RESULT 8
US-09-360-376-14
; Sequence 14, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; PRIOR FILING DATE: 1999-07-23
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-360-376-14

Query Match 16.2%; Score 236; DB 4; Length 314;
Best Local Similarity 28.3%; Pred. No. 5.5e-17;
Matches 77; Conservative 44; Mismatches 81; Indels 70; Gaps 15;

Qy 5 WVFVLLDVL--CLLVASLPPFAILLTLVNAPYKRGFYCGDD--SIRYPYRPTTITHGLMAG 59
Db 26 WIILVLLVILECVLLIIHPP-----YR---FVGKDMMTDLKYPKDNTPV---IWS 70

Qy 60 VTITATVILVSAGEAYLVYTDRLYSRSDFNYYAAVY---KVLGTFLFCAAVSQSLTDL 115
Db 71 VPVYAMLL-----PLVIFIFIYFRRD-----VYDLHHAVLG-LLYSVLVTAULTDA 116

Qy 116 AKYMGIRLKNFLAVCDPDWSRVNCSVYVQL-EKVCGRGNPADVTEARLSFYSGHSSFGMY 174
Db 117 IKNAVGRPRPDPFFWRCFPDGK---ALYDSLGDVICHGDKSVIREGKSPFSGHTSWSFS 172

Qy 175 CMVFLALYVQ-----ARLCWKWARLLRPTVQFELVAFALYVGYTRVSDYKHHW 222
Db 173 GLGFLSLYLSGKIQAFDGKGVAKLC-----IVILPLLFAALVGISRVDVYWHHW 222

Qy 223 SDVLVGLLQALVAALTVCYISDFFKARPPQH 254
Db 223 QDVFAGGLLG--LAISTICYLQFF---PPPYH 249

RESULT 9 . .

US-09-360-376-13
; Sequence 13, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-360-376-13

Query Match 16.2%; Score 235.5; DB 4; Length 348;
Best Local Similarity 31.0%; Pred. No. 7.2e-17;
Matches 79; Conservative 38; Mismatches 81; Indels 57; Gaps 15;

Qy 5 WVFVLLDVLCLLVASLPPFAI-LTLVNAPYKRGFYCGDD---SIRYPYRPTTITHGLMAGV 60
Db 72 WI-----ILVILIA---IEIGLNLISPFYR---YVGKDMMTDLKYPKDNTPV---IWSV 117

Qy 61 TITATVILVSAGEAYLVYTDRLYSRSDFNYYAAVYKVLGTFLFCAAVSQSLTDLAKYMI 120
Db 118 PVYAVLLPIIVFVCFYKRTCVY---DLH-----HSILG-LLFAVLITGVITDSIKVAT 167

Qy 121 GRLKPNFLAVCDPDWSRVNCSVYVQL-EKVCGRGNPADVTEARLSFYSGHSSFGMYCMVFL 179
Db 168 GRPRENFYWRCPFDGK---ELYDALGGVVCHGKAAEVKEGKHSFSGHTSWSFAGLTFL 223

Qy 180 ALYVQ-----ARLCWKWARLLRPTVQFELVAFALYVGYTRVSDYKHHWSDVLV 227
Db 224 SLYLSGKIKAFNNEGHVAKLC-----LVIFPLLA-ACLVGISRVDDYWHHWQDVFA 273

Qy 228 GLLQALVAALTVCY 242
Db 274 GALIGTLVAAF--CY 286

RESULT 10
US-09-360-376-16
; Sequence 16, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Glycine sp.
US-09-360-376-16

Query Match 16.0%; Score 232.5; DB 4; Length 322;
Best Local Similarity 28.6%; Pred. No. 1.4e-16;
Matches 74; Conservative 44; Mismatches 92; Indels 49; Gaps 12;

Qy 11 DVLCLLVASLPPFAILLTLVNAPYKRGFYCGD---DSIRYPYRPTTITHGLMAGVITATVI 67
Db 25 DWLILLLLVIIDAVLNLIQ-PFHR--FVGEGMMDLRLPLKANTIP---FWAVPIIALL 78

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OM protein - protein search, using sw model

Run on: November 2, 2005, 21:46:06 ; Search time 81.8927 Seconds
(without alignments)
1408.915 Million cell updates/sec

Title: US-08-842-827-8
Perfect score: 1453
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Searched: 1865214 seqs, 418043040 residues

Total number of hits satisfying chosen parameters: 1865214

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1347	92.7	274	18	US-10-491-467-49 Sequence 49, Appl
2	825.5	56.8	284	18	US-10-764-425-157 Sequence 157, App
3	811	55.8	289	16	US-10-643-795A-136 Sequence 136, App
4	811	55.8	289	17	US-10-948-518-136 Sequence 136, App
5	776	53.4	285	16	US-10-655-601-1 Sequence 1, Appli
6	651	44.8	311	17	US-10-812-238A-13 Sequence 13, Appl
7	650	44.7	311	16	US-10-655-601-2 Sequence 2, Appli
8	638.5	43.9	221	15	US-10-287-226-346 Sequence 346, App
9	638.5	43.9	221	15	US-10-287-226-348 Sequence 348, App
10	517.5	35.6	372	20	US-11-097-143-2046 Sequence 2046, Ap
11	463	31.9	89	14	US-10-029-386-29445 Sequence 29445, A

12	434	29.9	105	9	US-09-925-298-750 Sequence 750, App
13	434	29.9	105	14	US-10-102-806-750 Sequence 750, App
14	403.5	27.8	340	20	US-11-097-143-14997 Sequence 14997, A
15	374.5	25.8	246	20	US-11-097-143-912 Sequence 912, App
16	370	25.5	341	20	US-11-097-143-41346 Sequence 41346, A
17	355	24.4	334	20	US-11-097-143-24018 Sequence 24018, A
18	324.5	22.3	305	20	US-11-097-143-41352 Sequence 41352, A
19	320.5	22.1	321	15	US-10-343-357-5 Sequence 5, Appli
20	297	20.4	305	20	US-11-097-143-41349 Sequence 41349, A
21	270	18.6	318	18	US-10-491-467-52 Sequence 52, Appl
22	265	18.2	427	15	US-10-108-260A-2833 Sequence 2833, Ap
23	255	17.5	292	16	US-10-476-232-2 Sequence 2, Appli
24	254	17.5	577	15	US-10-094-749-2701 Sequence 2701, Ap
25	249.5	17.2	319	16	US-10-739-930-10075 Sequence 10075, A
26	249	17.1	183	14	US-10-103-313-340 Sequence 340, App
27	248.5	17.1	187	16	US-10-476-232-3 Sequence 3, Appli
28	247	17.0	180	9	US-09-860-670-125 Sequence 125, App
29	247	17.0	180	14	US-10-103-313-490 Sequence 490, App
30	247	17.0	180	15	US-10-227-646-125 Sequence 125, App
31	244.5	16.8	326	17	US-10-204-921-58 Sequence 58, Appl
32	236	16.2	203	14	US-10-103-313-493 Sequence 493, App
33	233.5	16.1	318	15	US-10-369-493-6893 Sequence 6893, Ap
34	232.5	16.0	333	15	US-10-425-114-43046 Sequence 43046, A
35	228.5	15.7	322	15	US-10-424-599-207810 Sequence 207810, Sequence 276804,
36	221	15.2	343	15	US-10-424-599-276804 Sequence 276804,
37	216	14.9	220	14	US-10-106-698-5750 Sequence 5750, Ap
38	214.5	14.8	311	16	US-10-425-115-203641 Sequence 203641,
39	213.5	14.7	309	16	US-10-767-701-44853 Sequence 44853, A
40	211.5	14.6	212	15	US-10-369-493-3964 Sequence 3964, Ap
41	211.5	14.6	369	16	US-10-437-963-121968 Sequence 121968,
42	211	14.5	53	16	US-10-425-115-360650 Sequence 360650,
43	206	14.2	310	16	US-10-425-115-203640 Sequence 203640,
44	206	14.2	318	15	US-10-425-114-70549 Sequence 70549, A
45	206	14.2	324	15	US-10-425-114-41280 Sequence 41280, A

ALIGNMENTS

RESULT 1

US-10-491-467-49
; Sequence 49, Application US/10491467
; Publication No. US20050186568A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE CORPORATION; BANDMAN, Olga;
; APPLICANT: BAUGHN, Maria R.; BECHA, Shanya D.;
; APPLICANT: BOROWSKY, Mark L.; DUGGAN, Brendan M.;
; APPLICANT: EMERLING, Brooke M.; FORSYTHE, Ian J.;
; APPLICANT: GANDHI, Ameena R.; GORVAD, Ann E.;
; APPLICANT: GRIFFIN, Jennifer A.; GURURAJAN, Rajagopal;
; APPLICANT: HAFALIA, April J.A.; KHAN, Farrah A.;
; APPLICANT: LAL, Preeti G.; LEE, Ernestine A.;
; APPLICANT: LEE, Soo Yeun; LINDQUIST, Erika A.;
; APPLICANT: LU, Dyung Aina M.; LU, Yan;
; APPLICANT: MARQUIS, Joseph P.; NGUYEN, Dannie B.;
; APPLICANT: ARVIZU, Chandra S.; RAMKUMAR, Jayalaxmi;
; APPLICANT: RECIPON, Shirley A.; RICHARDSON, Thomas W.;
; APPLICANT: SWARNAKAR, Anita; TANG, Y. Tom;
; APPLICANT: THORNTON, Michael B.; TRAN, Uyen K.;
; APPLICANT: CHAWLA, Narinder K.; WARREN, Bridget A.;
; APPLICANT: YUE, Henry; ZEBARJADIAN, Yeganeh
; TITLE OF INVENTION: KINASES AND PHOSPHATASES
; FILE REFERENCE: PF-1244 USN
; CURRENT APPLICATION NUMBER: US/10/491,467
; CURRENT FILING DATE: 2004-03-31
; PRIOR APPLICATION NUMBER: PCT/US02/33723
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US 60/345,474
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/343,910
; PRIOR FILING DATE: 2001-11-02
; PRIOR APPLICATION NUMBER: US 60/333,098

Qy 61 TITATVILVSAGEAYLVYTDRLYSRSDFN-YVAAVYKVLGTFLFGAAVSQSLTDLAKYM 119
Db 92 GIVIAILAITGEFYRIYLIK-KSRSTIONPYVAALYKQVGCFLFGCAISQSFTDIKVS 150
Qy 120 IGRLLKPNFLAVCDPWSRVNCSV-YVQLEKVCGRGNPADVTEARLSFYSGHSSFGMYCMVF 178
Db 151 IGRLLRPFLSVCNPDFSQINCSEGYIQNYR-CRGDDSKVQEARKSFFSGHASFSMYTMLY 209
Qy 179 LALYVQARLCWKWARLLRPTVQFFLVAFALYVGYTRVSDYKHHWSDVLVGLLQALVAAL 238
Db 210 LVLYLQARFTWRGARLLRPLQFTLIMMAFYTGLSRVSDHKHPSDVLAGFAQALVACC 269
Qy 239 TVCYISDFFKARP----PQHCLKEEL 261
Db 270 IVFFVSDLFKTKTTLTSLPAPAIRKEIL 296

RESULT 7
US-10-655-601-2
; Sequence 2, Application US/10655601
; Publication No. US20040137522A1
; GENERAL INFORMATION:
; APPLICANT: Feany, Mel B.
; APPLICANT: Shulman, Joshua M.
; TITLE OF INVENTION: Genes and Proteins Altering Tau-Related Neuropathy
; FILE REFERENCE: 7570/73251
; CURRENT APPLICATION NUMBER: US/10/655,601
; CURRENT FILING DATE: 2003-09-05
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-655-601-2

Query Match 44.7%; Score 650; DB 16; Length 311;
Best Local Similarity 49.8%; Pred. No. 5.le-57;
Matches 133; Conservative 48; Mismatches 76; Indels 10; Gaps 7;
Qy 3 RRWVFVLLDVLCLLVASLPFAIL-TLVNAPYKRGFYCGDDSI RYPYRP-DTITHGLMAGV 60
Db 32 KRVLICLDLFCFLFMAGLPFLIETSTIKPYHRGFYCNDES IKYPLKGTETINDAVLCAV 91
Qy 61 TITATVILVSAGEAYLVYTDRLYSRSDFN-YVAAVYKVLGTFLFGAAVSQSLTDLAKYM 119
Db 92 GIVIAILAITGEFYRIYLIK-KSRSTIONPYVAALYKQVGCFLFGCAISQSFTDIKVS 150
Qy 120 IGRLLKPNFLAVCDPWSRVNCSV-YVQLEKVCGRGNPADVTEARLSFYSGHSSFGMYCMVF 178
Db 151 IGRLLRPFLSVCNPDFSQINCSEGYIQNYR-CRGDDSKVQEARKSFFSGHASFSMYTMLY 209
Qy 179 LALYVQARLCWKWARLLRPTVQFFLVAFALYVGYTRVSDYKHHWSDVLVGLLQALVAAL 238
Db 210 LVLYLQARFTWRGARLLRPLQFTLIMMAFYTGLSRVSDHKHPSDVLAGFAQALVACC 269
Qy 239 TVCYISDFFKARP----PQHCLKEEL 261
Db 270 IVFFVSDLFKTKTTLTSLPAPAIRKEIL 296

RESULT 8
US-10-287-226-346
; Sequence 346, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,

; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khramtsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigaru, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 346
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-226-346

Query Match 43.9%; Score 638.5; DB 15; Length 221;
Best Local Similarity 64.9%; Pred. No. 4.8e-56;
Matches 124; Conservative 24; Mismatches 40; Indels 3; Gaps 3;
Qy 72 GEAYLVYTDRLYSRSDF-NNYVAAVYKVLGTFLFGAAVSQSLTDLAKYMIGRLKPNFLAV 130
Db 11 GETLSVYCNLLHNSFIRNNYIATIKYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHELDV 70
Qy 131 CDPDWSRVNCS-VYVQLEKVCGRGNPADVTEARLSFYSGHSSFGMYCMVFLALYVQARLCW 189

Db 71 CDPWSKINCSGDIYIEY-YICRGAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARMKG 129
QY 190 KWARLLRPTVQFFLVAFALYVGYTRVSDYKHHWSDVLVGLLQALVAALTVCYISDFFKA 249
Db 130 DWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQQALVAILVAVYVSDFFKE 189
QY 250 RPPQHCLKEE 260
Db 190 RTSFKERKEED 200

RESULT 9

US-10-287-226-348
; Sequence 348, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khramtsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigaru, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
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; PRIOR APPLICATION NUMBER: 60/334,526
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; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227

; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 348
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-226-348

Query Match 43.9%; Score 638.5; DB 15; Length 221;
Best Local Similarity 64.9%; Pred. No. 4.8e-56;
Matches 124; Conservative 24; Mismatches 40; Indels 3; Gaps 3;
QY 72 GEAYLVYTRDRLYSRDF-NNYVAAVYKVLGTFELFGAAVQSQSLTDLAKYMGRLKPNFLAV 130
Db 11 GETLSVYCNLLHNSFIRNNYIATYKAITGTFELFGAAASQSLTDIAKYSIGRLRPHFLDV 70
QY 131 CDPDWSRVNCS-VYVQLEKVCRCGNPADVTTEARLSFYSGHSSFGMYCMFLALYVQARLCW 189
Db 71 CDPDWSKINCSGDIYIEY-YICRGAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARMKG 129
QY 190 KWARLLRPTVQFFLVAFALYVGYTRVSDYKHHWSDVLVGLLQALVAALTVCYISDFFKA 249
Db 130 DWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQQALVAILVAVYVSDFFKE 189
QY 250 RPPQHCLKEE 260
Db 190 RTSFKERKEED 200

RESULT 10

US-11-097-143-2046
; Sequence 2046, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2046
; LENGTH: 372
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-2046
Query Match 35.6%; Score 517.5; DB 20; Length 372;


```
Best Local Similarity 39.2%; Pred. No. 1.6e-43;
Matches 113; Conservative 53; Mismatches 95; Indels 27; Gaps 8;

Qy 10 LDVLCLLVASLPFAILLTLVNAPYKRGFYCGDDSIKPYRPTDTHGLM--AGVTITATVI 67
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 85 LDVLILLCAGFPILLFFLLGEPYKRGFFCDDESLEKHPFDHSTVRNWMYLFIGAVIPGVI 144
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Qy 68 -----LVSAGEAYLVYTDRLYSRSDFNYY-----VAAVYKVLGTFLFGAAVSQSLTDLAK 117
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 145 FIVEIISQKAKQDNKGNATSRYYVFMNYELPDWMIIECYKKIGIYAFGAVLSQLTTDIK 204
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Qy 118 YMIGRLKPNFLAVCDPWS-----RVNCSVYVQLEKVCRG---NPADVTEARLSFYSG 167
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 205 YSIGRLRPHFIAVCQPQADGSTCDDAINAGKYIQ-EFTCKGVGSSARMLKEMRLSPFSG 263
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Qy 168 HSSFGMYCMVFLALYVQARLCWKARLLRPTVQFFLVAFALYVGYTRVSDYKHHWSDVLV 227
    ||||| : | | | | | | | | : | : | : | : | : | : | : | : | : | : | : |
Db 264 HSSFTFFAMVYLALYLQARMTWRGSKLLRHLLQLFLFIMVAWYTALSRVSDYKHHWSDVLA 323
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Qy 228 GLLOQALVAALTVCYISDFFKARP---POHCLKEELEKRPSSLSLTLT 272
    ||||| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 324 GSLIGSIALVVANYVSDLFQ-KPNTKPYLARTVQDMNASPAQAITIT 370

RESULT 11
US-10-029-386-29445
; Sequence 29445, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 29445
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR7.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.7
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 8.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.7
; OTHER INFORMATION: SWISSPROT HIT: Q10022, EVALUATION 6.80e-02
US-10-029-386-29445

Query Match 31.9%; Score 463; DB 14; Length 89;
Best Local Similarity 98.9%; Pred. No. 8.7e-39;
Matches 88; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 73 EAYLVYTDRLYSRSDFNYYAAVYKVLGTFLFGAAVSQSLTDLAKYMTGRKLPNFLAVCD 132
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1 EAYLVYTDRLYSRSDFNYYAAVYKVLGTFLFGAAVSQSLTDLAKYMTGRKLPNFLAVCD 60
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Qy 133 PDWSRVNCSVYVQLEKVCRCGNPADVTEAR 161
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 PDWSRVNCSVYVQLEKVCRCGNPADVTEAR 89
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 12
US-09-925-298-750
; Sequence 750, Application US/09925298
; Publication No. US20020039764A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
```

```
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA103
; CURRENT APPLICATION NUMBER: US/09/925,298
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 750
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (16)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-298-750

Query Match 29.9%; Score 434; DB 9; Length 105;
Best Local Similarity 96.6%; Pred. No. 9.3e-36;
Matches 84; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 19 SLPFAILLTLVNAPYKRGFYCGDDSIKPYRPTDTHGLMAGVTITATVILVSAGEAYLVY 78
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 17 SLPFAILLTLVNAPYKRGFYCGDDSIKPYRPTDTHGLMAGVTITATVILVSAGEAYLVY 76
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Qy 79 TDLYSRSDFNYYAAVYKVLGTFLFG 105
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 77 TDLYSRSDFNYYAAVYKVLGTSCIG 103
    : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 13
US-10-102-806-750
; Sequence 750, Application US/10102806
; Publication No. US20030054421A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA103P1C1
; CURRENT APPLICATION NUMBER: US/10/102,806
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/925,298
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 750
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (16)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-102-806-750

Query Match 29.9%; Score 434; DB 14; Length 105;
Best Local Similarity 96.6%; Pred. No. 9.3e-36;
Matches 84; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 19 SLPFAILLTLVNAPYKRGFYCGDDSIKPYRPTDTHGLMAGVTITATVILVSAGEAYLVY 78
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

Db	17	SLPFAILLVNAPYKRGFCGDDSI RYPYRPDTITHGLMAGVTITATVILVSAGEAYLVY	76
Qy	79	TDRLYSRSDFNYYVAAYKVLTGTLFG	105
Db	77	TDRLYSRSDFNYYVAAYKVLTGTSCLG	103

RESULT 14

```

US-11-097-143-14997
; Sequence 14997, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14997
; LENGTH: 340
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-14997

```

	Query Match	27.8%;	Score 403.5;	DB 20;	Length 340;	
	Best Local Similarity	38.6%;	Pred. No. 5e-32;			
	Matches 100;	Conservative	47;	Mismatches 89;	Indels 23;	Gaps 9;
QY	8	VLLDVLCLIVASLPFAILLVNAPYKRGFYCGDDSI RYPYRPTTITH---GLMAGVTITA	64			
Db	38	LLVELLVVVVLVIPICVYFAVDPVRRGFCDDESISYFPQDNTITPVMGLIVGL-LPA	96			
QY	65	TVILVSGEAYLVYTDRLYSRSDFNYY-VAAVYKVLGT----FLFGAAVVSQSLTDLAKYM	119			
Db	97	LVMVVVEYVSHLRAGD-ISATVDLLGWRVSTWYVELGRQSTYFCFGLLLTFDATEVGKYT	155			
QY	120	IGRLKPNFLAVCDP---DWSRVNCSVYVQLEKV-----CRG---NPADVTEARLSFYSGH	168			
Db	156	IGRLRPHFLAVCQPOIADGSM--CSDPVLNLRHYMENYDCAGEGFTVEDVRQARLSFPSPGH	213			
QY	169	SSFQMYCMVFLALYVQARLCKWKWARLLRPTVQFFLVAFALYVGYTRVSDYKHHWSDVLVG	228			
Db	214	SSLAFYAMIIYVALYLQRKJTWGRGKLSRHFVQFAVVMVAWYALTASRVMDHWHHSDVLGS	273			
QY	229	LLQGALVAALTVCYISDF	247			
Db	274	SLLGVAGALITAHYIARME	292			

RESULT 15

RESOL 13
US-11-097-143-912
; Sequence 912, Application US/11097143
; Publication No. US20050208558A1

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig
 ; APPLICANT: et al.
 ; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
 ; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
 ; TITLE OF INVENTION: DROSOPHILA GENES.

Query Match 25.8%; Score 374.5; DB 20; Length 246;
Best Local Similarity 38.7%; Pred. No. 2.9e-29;
Matches 87; Conservative 33; Mismatches 70; Indels 35; Gaps 8;

Qy	33	KRGFCGDDSIIRYPYRPTITHG----	LMAGVTITATVILVSAGEAYLVYTDRLYS-----	84
Db	12	KRGFCDDSSLRHPYRDSTMPISWIYLMCG-ALPLTVMLVV--	EFRGQDKRLHSPFKS	68
Qy	85	-----RSDFNYYAAVKVLGTFLFGAAYSQSLTDLAKYMIGRLKPNFLAVCDPDW		135
Db	69	TMCSGYHLCHLELPTWLVECYHRMGIFIFGLGVEQLSTNIAKYSIGRLRPHFYTLCPVM		128
Qy	136	-----SRVNCSSVVQLEKVCRCGNPADVT-----	EARLSFYSGHSSFMYCMVFLLALYV	183
Db	129	KDGTTCSDPINAAARYIE-EFTCAA--VDITSKQLKDMRLSPPSGHASFACYSMLYLVIYL		185
Qy	184	QARLCWKWARLLRPVTQVFFLVAFALYVGTYRVSDYKGHHWSDDL VG		228
Db	186	HRRQMOKQLRMCLCHLLQFLLMFAWYTALTTRVSDYKGHHWSDDL VAG		230

Search completed: November 2, 2005, 22:16:39
Job time : 82.8927 secs

eye blank (uspto)

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 2, 2005, 21:27:15 ; Search time 19.1012 Seconds
(without alignments)
1215.413 Million cell updates/sec

Title: US-08-842-827-6
Perfect score: 1633
Sequence: 1 MQNYKYDKAIVPESKNGGSP.....RKILSPVDIIDRNNHHNM 311

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1185	72.6	233	4	US-09-360-376-55
2	724.5	44.4	282	4	US-09-360-376-54
3	702	43.0	285	3	US-08-992-035A-1
4	696.5	42.7	283	3	US-08-992-035A-3
5	696.5	42.7	283	4	US-09-360-376-53
6	496.5	30.4	323	4	US-09-122-315C-18
7	425	26.0	412	4	US-09-270-767-43247
8	239.5	14.7	322	4	US-09-360-376-16
9	236	14.5	343	4	US-09-360-376-17
10	227.5	13.9	348	4	US-09-360-376-13
11	227	13.9	310	4	US-09-360-376-15
12	221.5	13.6	290	4	US-09-360-376-12
13	221.5	13.6	314	4	US-09-360-376-14
14	187	11.5	296	4	US-09-248-796A-15661
15	184.5	11.3	274	4	US-09-538-092-217
16	180	11.0	289	4	US-09-360-376-52
17	160	9.8	243	4	US-09-248-796A-15660
18	121.5	7.4	126	4	US-09-621-976-4116
19	108	6.6	234	4	US-09-902-540-11032
20	106.5	6.5	459	4	US-09-583-110-5017
21	106.5	6.5	470	4	US-09-107-433-4341
22	99.5	6.1	254	4	US-09-107-532A-4025
23	95.5	5.8	159	4	US-09-602-787A-102
24	91	5.6	352	1	US-08-196-989B-2
25	91	5.6	352	2	US-08-760-936-2
26	91	5.6	352	4	US-09-582-200A-11
27	91	5.6	352	4	US-09-169-205D-24

28	91	5.6	352	4	US-09-225-024-2	Sequence 2, Appl
29	88.5	5.4	561	4	US-09-134-000C-4759	Sequence 4759, Ap
30	88	5.4	353	4	US-09-582-200A-2	Sequence 2, Appl
31	88	5.4	353	4	US-09-582-200A-5	Sequence 5, Appl
32	88	5.4	353	4	US-09-582-200A-10	Sequence 10, Appl
33	86.5	5.3	347	4	US-09-270-767-43260	Sequence 43260, A
34	86	5.3	353	4	US-09-274-752D-3	Sequence 3, Appl
35	85	5.2	353	4	US-09-582-200A-4	Sequence 4, Appl
36	85	5.2	353	4	US-09-582-200A-6	Sequence 6, Appl
37	85	5.2	353	4	US-09-582-200A-12	Sequence 12, Appl
38	85	5.2	353	4	US-09-731-030A-19	Sequence 19, Appl
39	85	5.2	486	3	US-09-134-001C-3593	Sequence 3593, Ap
40	84	5.1	187	4	US-09-328-352-7918	Sequence 7918, Ap
41	83.5	5.1	152	4	US-09-134-000C-3628	Sequence 3628, Ap
42	82	5.0	309	4	US-09-710-279-42	Sequence 42, Appl
43	82	5.0	421	4	US-09-543-681A-7791	Sequence 7791, Ap
44	81.5	5.0	158	3	US-09-053-197A-23	Sequence 23, Appl
45	81.5	5.0	158	3	US-09-085-761A-23	Sequence 23, Appl

ALIGNMENTS

RESULT 1
US-09-360-376-55
; Sequence 55, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 55
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-360-376-55

Query Match	72.6%	Score 1185;	DB 4;	Length 233;
Best Local Similarity	98.7%	Pred. No. 4.6e-133;		
Matches 225;	Conservative 0;	Mismatches 3;	Indels 0;	Gaps 0;
Qy	1	MQNYKYDKAIVPESKNGGSPALNNRRSGSKRVLLICLDLFCFLMAGLPFIETSTIK 60		
Db	1	MQNYKYDKAIVPESKNGGSPALNNRRSGSKRVLLICLDLFCFLMAGLPFIETSTIK 60		
Qy	61	PYHRGFYCNDESICYPLKTGETINDAVLCAVGIVIAILAITGEFYRIYVLKSRSTIQN 120		
Db	61	PYHRGFYCNDESICYPLKTGETINDAVLCAVGIVIAILAITGEFYRIYVLKSRSTIQN 120		
Qy	121	PYVAALYKQVGCFLFGCAISQSFTDIKVSIGRLRPHFLSVCPDFSQINCSEGYIQNYR 180		
Db	121	PYVAALYKQVGCFLFGCAISQSFTDIKVSIGRLRPHFLSVCPDFSQINCSEGYIQNYR 180		
Qy	181	CRGDDSKVQEARSKFFSGHASFSMYTMYLVLYLQARFTWRGARLLRP 228		
Db	181	CRGDDSKVQEARSKFFSGHASFSMYTMYLVLYLQARFTWRGARCSGP 228		

RESULT 2
US-09-360-376-54
; Sequence 54, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES

FILE REFERENCE: 17026/01/US
CURRENT APPLICATION NUMBER: US/09/360,376
CURRENT FILING DATE: 1999-07-23
PRIOR APPLICATION NUMBER: US 09/122,315
PRIOR FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PatentIn version 3.0
SEQ ID NO 54
LENGTH: 282
TYPE: PRT
ORGANISM: Rattus sp.
US-09-360-376-54

Query Match 44.4%; Score 724.5; DB 4; Length 282;
Best Local Similarity 56.2%; Pred. No. 7.3e-78;
Matches 140; Conservative 45; Mismatches 61; Indels 3; Gaps 3;
Qy 33 RVLICLDLFLCLFMAGLPFLIIETSTIKPYHRGFYCNDESIIKYPLKTGETINDAVLCAVG 92
Db 6 RLPYVLDVICVLLAGLPFIIL-TSRHTPPQRGVFCSTDESIKYPYRE-DTIPYALLGGIV 63
Qy 93 IVIAILAIITGEFYRIY-LKKSRSTIQNPYVAALYKQVGCFLFGCAISQSFTDIKAVSI 151
Db 64 IPFCIIIVMITGETLSVYFNVLHNSFVSNHYIATIIYKAVGAFLFGASASQSLTDIAKYSI 123
Qy 152 GRLRPHFLSVCPNDFSQINCSGYIQNYRCRGGDSKVQEARSKFFSGHASFMYTMLYLV 211
Db 124 GRLRPHFLAVCPNDWSKINCSDGYIENFVCGNEQKVRGRLSFYSGHSSFMYCMLFVA 183
Qy 212 LYLOARFTWRGARLLRPLLOFTLIMMAFYTGLSRVSDHKHHPSDVLGAFAGALVACCIV 271
Db 184 LYLOARMKGDWARLLRPMLOFGLVALSIYVGLSRVSDYKHHWSDVLIGLIGAVAILV 243
Qy 272 FFVSDLFXT 280
Db 244 LYVTDFEKT 252

RESULT 3
US-08-992-035A-1
Sequence 1, Application US/08992035A
Patent No. 6242179
GENERAL INFORMATION:
APPLICANT: Shah, Purvi
APPLICANT: Hillman, Jennifer L.
APPLICANT: Corley, Neil C.
APPLICANT: Lal, Preeti
TITLE OF INVENTION: HUMAN PHOSPHATASES
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/992,035A
FILING DATE: December 17, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0433 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555

TELEFAX: 650-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 285 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BLADNOT06
CLONE: 1719418
US-08-992-035A-1
Query Match 43.0%; Score 702; DB 3; Length 285;
Best Local Similarity 54.0%; Pred. No. 3.6e-75;
Matches 136; Conservative 40; Mismatches 74; Indels 2; Gaps 2;
Qy 33 RVLICLDLFLCLFMAGLPFLIIETSTIKPYHRGFYCNDESIIKYPLKTGETINDAVLCAVG 92
Db 6 RLPYVALDVLCVLLASMPMAVLKGOIYPFQRFCKDINSINYPYH-DSTVTSTVLILVG 64
Qy 93 IVIAILAIITGEFYRIY-LKKSRSTIQNPYVAALYKQVGCFLFGCAISQSFTDIKAVSI 151
Db 65 VGLPSSIIIGETLSVYCNLLHNSFIRNNYIATIIYKAIGTFLFGAASQSLTDIAKYSI 124
Qy 152 GRLRPHFLSVCPNDFSQINCSGYIQNYRCRGGDSKVQEARSKFFSGHASFMYTMLYLV 211
Db 125 GRLRPHFLDVCDPWSKINCSDGYIEYIICRGAERVKERGLSFYSGHSSFMYCMLFVA 184
Qy 212 LYLOARFTWRGARLLRPLLOFTLIMMAFYTGLSRVSDHKHHPSDVLGAFAGALVACCIV 271
Db 185 LYLOARMKGDWARLLRPTLOFGLVAVSIYVGLSRVSDYKHHWSDVLIGLIGAVAILVA 244
Qy 272 FFVSDLFXT 283
Db 245 VVVSDFEKT 256

RESULT 4
US-08-992-035A-3
Sequence 3, Application US/08992035A
Patent No. 6242179
GENERAL INFORMATION:
APPLICANT: Shah, Purvi
APPLICANT: Hillman, Jennifer L.
APPLICANT: Corley, Neil C.
APPLICANT: Lal, Preeti
TITLE OF INVENTION: HUMAN PHOSPHATASES
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/992,035A
FILING DATE: December 17, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0433 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-4166

RESULT 14
US-09-248-796A-15661
; Sequence 15661, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 15661
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-15661

Query Match 11.5%; Score 187; DB 4; Length 296;
Best Local Similarity 27.4%; Pred. No. 1.5e-13;
Matches 64; Conservative 37; Mismatches 91; Indels 42; Gaps 9;

Qy 51 FLIIETSTIKPYHRGFYCNDESIIKPYLKTGETINDAVLCAVGIVIAILAITGEFYRIY 110
Db 48 FLVAETAL--PFQRFSLDLTISHPPFAKERVSGILCIEIAAFVPLFVLTS-----L 99

Qy 111 LKKSRTSTIONPYVAALYKQVCF---LFGCAISQS----FTDIKVSIGRLRPHFLSVCN 163
Db 100 LVKYQQGAFSSHQALH----CLQISVLGLIISLSLNGVITDILKIWIARPRPDFLRCG 155

Qy 164 P-----DFSQINCSEGYIQNYRCRGDDSK--VQEARKSFFSGHASFSMTMLYLVL 214
Db 156 PAPGTPLHFLVDVNV-----CTAPLGKALLIDGMKSTPSGHSSISFGGLFYLTWL 206

Qy 215 QARFTWRGAR-----LLRPLLOFTLIMMAFYTGLSRVSDHKHHPSDVLACFAQG 263
Db 207 LGQFKLFQNRSPQVYKYFLAFSPLSLATYIALSRTQDYRHHFTDIVLGGAG 260

RESULT 15
US-09-538-092-217
; Sequence 217, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurapatSeqFormatter Version 0.9
; SEQ ID NO 217
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number YDR503C
US-09-538-092-217

Query Match 11.3%; Score 184.5; DB 4; Length 274;

Best Local Similarity 28.0%; Pred. No. 2.6e-13;
Matches 76; Conservative 47; Mismatches 107; Indels 41; Gaps 13;

Qy 42 FCLFMAGLPFLIIETSTIKPYHRG-----FYCNDESIIKPYLKTGETIN--DAVLCAVGIVI 95
Db 19 FQYMIIGLCTILFLYSEISLVPRGONIEFSLDDPSISKRYVPNELVGPLECLILSVGLSN 78

Qy 96 AILAITGEFYRIY----LKKSR-----STIQNPYVAALYKQVCFLFGCAISQS 143
Db 79 MVV-----FWTCMFDDKDLLKKNRVKRLRERPDGISNDF-HFMHTSILCLMLIISINAAL 131

Qy 144 TDIKVSIGRLRPHFLSVCNPDFSQINCSEGYIQNYRCRGDDSK--VQEARKSFFSGHAS 201
Db 132 TGALKLIIIGNLRPDFVDRICIPDLQKMSDSDSLVFGLDICKQTNKWILYEGLKSTPSGHSS 191

Qy 202 FSMYTMLYLVLYLQARFTWRGAR--LLRPLLOFTLIMMAFYTGLSRVSDHKHHPSDVLAC 259
Db 192 FIVSTMGTYLW-QRVETTRNTRSCIWCPLL--ALVVM-----VSRVIDHRHHWYDVVSG 243

Qy 260 FAQGALVA-CCIVFFVSDLFKTKTTLSLPAP 289
Db 244 AVLAFLVIYCCWKWTFTNLAKRDI----LPSP 271

Search completed: November 2, 2005, 21:48:57
Job time : 20.1012 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 2, 2005, 21:46:06 ; Search time 92.2777 Seconds
(without alignments)
1408.915 Million cell updates/sec

Title: US-08-842-827-6
Perfect score: 1633
Sequence: 1 MQNYKYDKAIVPESKNGGSP.....RKEILSPVDIIDRNHHNM 311

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1865214 seqs, 418043040 residues

Total number of hits satisfying chosen parameters: 1865214

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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2:	/cgn2_6/ptodata/2/pubpaa/PT_NEW_PUB.pep.*
3:	/cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4:	/cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5:	/cgn2_6/ptodata/2/pubpaa/PTUS_PUBCOMB.pep.*
6:	/cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
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8:	/cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9:	/cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
10:	/cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
11:	/cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
12:	/cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
13:	/cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
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19:	/cgn2_6/ptodata/2/pubpaa/US10H_PUBCOMB.pep.*
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22:	/cgn2_6/ptodata/2/pubpaa/US10K_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1633	100.0	311	17	US-10-812-238A-13
2	1627	99.6	311	16	US-10-655-601-2
3	716.5	43.9	284	18	US-10-764-425-157
4	712	43.6	289	16	US-10-643-795A-136
5	712	43.6	289	17	US-10-948-518-136
6	702	43.0	285	16	US-10-655-601-1
7	618	37.8	274	18	US-10-491-467-49
8	574.5	35.2	221	15	US-10-287-226-346
9	574.5	35.2	221	15	US-10-287-226-348
10	532	32.6	372	20	US-11-097-143-2046
11	426	26.1	340	20	US-11-097-143-14997
					Sequence 13, Appl
					Sequence 2, Appli
					Sequence 157, App
					Sequence 136, App
					Sequence 136, App
					Sequence 1, Appli
					Sequence 49, Appl
					Sequence 346, App
					Sequence 348, App
					Sequence 2046, Ap
					Sequence 14997, A

12	401.5	24.6	341	20	US-11-097-143-41346	Sequence 41346, A
13	390	23.9	246	20	US-11-097-143-912	Sequence 912, App
14	361.5	22.1	326	17	US-10-204-921-58	Sequence 58, Appl
15	339	20.8	334	20	US-11-097-143-24018	Sequence 24018, A
16	321.5	19.7	321	15	US-10-343-357-5	Sequence 5, Appli
17	313	19.2	292	16	US-10-476-232-2	Sequence 2, Appli
18	311	19.0	577	15	US-10-094-749-2701	Sequence 2701, Ap
19	309.5	19.0	305	20	US-11-097-143-41352	Sequence 41352, A
20	298.5	18.3	220	14	US-10-106-698-5750	Sequence 5750, Ap
21	284	17.4	305	20	US-11-097-143-41349	Sequence 41349, A
22	279.5	17.1	427	15	US-10-108-260A-2833	Sequence 2833, Ap
23	274.5	16.8	187	16	US-10-476-232-3	Sequence 3, Appli
24	273.5	16.7	318	18	US-10-491-467-52	Sequence 52, Appl
25	249.5	15.3	180	9	US-09-860-670-125	Sequence 125, App
26	249.5	15.3	180	14	US-10-103-313-490	Sequence 490, App
27	249.5	15.3	180	15	US-10-227-646-125	Sequence 125, App
28	249.5	15.3	183	14	US-10-103-313-340	Sequence 340, App
29	249	15.2	318	15	US-10-369-493-6893	Sequence 6893, Ap
30	246.5	15.1	203	14	US-10-103-313-493	Sequence 493, App
31	244.5	15.0	607	16	US-10-723-860-3797	Sequence 3797, Ap
32	239.5	14.7	333	15	US-10-425-114-43046	Sequence 43046, A
33	236	14.5	343	15	US-10-424-599-276804	Sequence 276804,
34	235.5	14.4	322	15	US-10-424-599-207810	Sequence 207810,
35	232.5	14.2	377	15	US-10-425-114-47060	Sequence 47060, A
36	231.5	14.2	89	14	US-10-029-386-29445	Sequence 29445, A
37	231	14.1	247	16	US-10-437-963-152388	Sequence 152388,
38	231	14.1	311	16	US-10-425-115-203641	Sequence 203641,
39	230.5	14.1	310	16	US-10-425-115-203640	Sequence 203640,
40	230.5	14.1	318	15	US-10-425-114-70549	Sequence 70549, A
41	230.5	14.1	324	15	US-10-425-114-41280	Sequence 41280, A
42	227	13.9	309	16	US-10-767-701-44853	Sequence 44853, A
43	227	13.9	310	16	US-10-425-115-239676	Sequence 239676,
44	227	13.9	368	15	US-10-425-114-64697	Sequence 64697, A
45	218	13.3	369	16	US-10-437-963-121968	Sequence 121968,

ALIGNMENTS

RESULT 1
US-10-812-238A-13
; Sequence 13, Application US/10812238A
; Publication No. US20050002904A1
; GENERAL INFORMATION:
; APPLICANT: Wary, Kishore, K.
; APPLICANT: Humtsoe, Joseph O.
; TITLE OF INVENTION: Uses of Vascular Endothelial Growth Factor
; TITLE OF INVENTION: and Type I Collagen Inducible Protein (VCIP)
; FILE REFERENCE: D6563
; CURRENT APPLICATION NUMBER: US/10/812,238A
; CURRENT FILING DATE: 2004-03-29
; PRIOR APPLICATION NUMBER: US 60/458,164
; PRIOR FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO 13
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: CHAIN
; OTHER INFORMATION: human VCIP
US-10-812-238A-13

Query Match	100.0%;	Score 1633;	DB 17;	Length 311;
Best Local Similarity	100.0%;	Pred. No. 4.2e-165;		
Matches 311;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MQNYKYDKAIVPESKNGGSPALNNPRRSGSKRVLLICLDLFCFLMAGLPFLIETSTIK 60		
Db	1	MQNYKYDKAIVPESKNGGSPALNNPRRSGSKRVLLICLDLFCFLMAGLPFLIETSTIK 60		
Qy	61	PYHRGFCYNDESICYPLKTKGETINDAVLCAGVIVIAIAITGEFYRIYLLKSRSTION 120		

Db 61 PYHRGFYCNDESIKYPLKTGETINDAVLCAVGIVIAILAITGEFYRIYVLKKSRSSTIQN 120
Qy 121 PYAALYKQVGCFLFGCAISQSFTDIAKVISIGRLRPHFLSVCNPDFSQINCSEGYIQNYR 180
Db 121 PYAALYKQVGCFLFGCAISQSFTDIAKVISIGRLRPHFLSVCNPDFSQINCSEGYIQNYR 180
Qy 181 CRGDDSKVQEARKESSFFSGHASFMSYTMVLVLYLQARFTWRGARLLRPLLOFTLIMMAFY 240
Db 181 CRGDDSKVQEARKESSFFSGHASFMSYTMVLVLYLQARFTWRGARLLRPLLOFTLIMMAFY 240
Qy 241 TGLSRVSDHKHPPSDVLGAFQAQALVACCVFFVSDLFKTKTTLTSLPAPAIRKEILSPVD 300
Db 241 TGLSRVSDHKHPPSDVLGAFQAQALVACCVFFVSDLFKTKTTLTSLPAPAIRKEILSPVD 300
Qy 301 IIDRNNHHNMM 311
Db 301 IIDRNNHHNMM 311

RESULT 2
US-10-655-601-2
; Sequence 2, Application US/10655601
; Publication No. US20040137522A1
; GENERAL INFORMATION:
; APPLICANT: Feany, Mel B.
; APPLICANT: Shulman, Joshua M.
; TITLE OF INVENTION: Genes and Proteins Altering Tau-Related Neuropathy
; FILE REFERENCE: 7570/73251
; CURRENT APPLICATION NUMBER: US/10/655,601
; CURRENT FILING DATE: 2003-09-05
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-655-601-2

Query Match 99.6%; Score 1627; DB 16; Length 311;
Best Local Similarity 99.7%; Pred. No. 1.8e-164;
Matches 310; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MQNYKYDKAIVPESKNGGSPALNNPRRSGSKRVLLICLDLFCFLFMAGLPFLIETSTIK 60
Db 1 MQNYKYDKAIVPESKNGGSPALNNPRRSGSKRVLLICLDLFCFLFMAGLPFLIETSTIK 60
Qy 61 PYHRGFYCNDESIKYPLKTGETINDAVLCAVGIVIAILAITGEFYRIYVLKKSRSSTIQN 120
Db 61 PYHRGFYCNDESIKYPLKTGETINDAVLCAVGIVIAILAITGEFYRIYVLKKSRSSTIQN 120
Qy 121 PYAALYKQVGCFLFGCAISQSFTDIAKVISIGRLRPHFLSVCNPDFSQINCSEGYIQNYR 180
Db 121 PYAALYKQVGCFLFGCAISQSFTDIAKVISIGRLRPHFLSVCNPDFSQINCSEGYIQNYR 180
Qy 181 CRGDDSKVQEARKESSFFSGHASFMSYTMVLVLYLQARFTWRGARLLRPLLOFTLIMMAFY 240
Db 181 CRGDDSKVQEARKESSFFSGHASFMSYTMVLVLYLQARFTWRGARLLRPLLOFTLIMMAFY 240
Qy 241 TGLSRVSDHKHPPSDVLGAFQAQALVACCVFFVSDLFKTKTTLTSLPAPAIRKEILSPVD 300
Db 241 TGLSRVSDHKHPPSDVLGAFQAQALVACCVFFVSDLFKTKTTLTSLPAPAIRKEILSPVD 300
Qy 301 IIDRNNHHNMM 311
Db 301 IIDRNNHHNMM 311

RESULT 3
US-10-764-425-157
; Sequence 157, Application US/10764425
; Publication No. US20040146921A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation

; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; APPLICANT: Taylor, Ian
; TITLE OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF USE
; FILE REFERENCE: 5151
; CURRENT APPLICATION NUMBER: US/10/764,425
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: 60/442,582
; PRIOR FILING DATE: 2003-01-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 157
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-764-425-157

Query Match 43.9%; Score 716.5; DB 18; Length 284;
Best Local Similarity 57.1%; Pred. No. 1.8e-67;
Matches 144; Conservative 38; Mismatches 67; Indels 3; Gaps 3;

Qy 33 RVLICLDLFCFLFMAGLPFLIETSTIKPYHRGFYCNDESIKYPLKTGETINDAVLCAVG 92
Db 6 RLPYVALDVLCLVLLAGLPFAIL-TSRHTPFQRGVFCNDESIKYPYKE-DTIPYALLGGII 63
Qy 93 IVIAILAITGEFYRIY-YLKKSRSSTIQNPYVAAALYKQVGCFLFGCAISQSFTDIAKVSI 151
Db 64 IPFSIVILGETLSVYCNLLHSNPIRNNYIATIIKAIGTFLFGAAASQSLTDIAKYSI 123
Qy 152 GRLRPHFLSVCNPDFSQINCSEGYIQNYRCRGDDSKVQEARKESSFFSGHASFMSYTMVLYV 211
Db 124 GRLRPHFLDVCDDPWSKINCSDGYIEYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVA 183
Qy 212 LYQARFTWRGARLLRPLLOFTLIMMAFYTGLSRVSDHKHPPSDVLGAFQAQALVACCV 271
Db 184 LYQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVA 243
Qy 272 FFVSDLFKTKTT 283
Db 244 VVSDFFKERTS 255

RESULT 4
US-10-643-795A-136
; Sequence 136, Application US/10643795A
; Publication No. US20040241703A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/643,795A
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02

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; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 136
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-643-795A-136

Query Match      43.6%; Score 712; DB 16; Length 289;
Best Local Similarity 56.2%; Pred. No. 5.7e-67;
Matches 144; Conservative 37; Mismatches 69; Indels 6; Gaps 3;

Qy 33 RVLICLDLFLCFMAGLPFLIIE---TSTIKPYHRGFYCNDESIKYPLKTGETINDAVL 88
Db 6 RLPYVALDVLCVLLAGLPFAIFTSRHITSRHTPPFQRGVFCNDESIKYPYKE-DTIPYALL 64

Qy 89 CAVGIVIAILAIITGEFYRIY-YLKKSRSSTIQNPYVAALYKQVGCFLFGCAISQSFTDIA 147
Db 65 GGIIIPFSIIILGETLSVYCNLLHSNFIRNNYIATIIYKAIGTFLFGAAASQSLTDIA 124

Qy 148 KVSIGRLRPHFLSVCPNPFQINCSQINCEGYIQNYRCRGGDSKVQEARKSFFSGHASFSMYTM 207
Db 125 KYSIGRLRPHFLDVCDPDWSKINCSDGYIEYICRGNAERVKEGRLSFYSGHSSFSMYCM 184

Qy 208 LYLVLYLQARFTWRGARLLRPLLQFTLLIMAFYTGLSRVSDHKHHPSDVLGAFQAQALVA 267
Db 185 LFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVA 244

Qy 268 CCIVFFVSDLFKTKTT 283
Db 245 ILVAVVVSDFFKERTS 260
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RESULT 5
US-10-948-518-136
; Sequence 136, Application US/10948518
; Publication No. US20050064492A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/948,518
; CURRENT FILING DATE: 2004-09-22
; PRIOR APPLICATION NUMBER: US/10/643,795
; PRIOR FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 136
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-948-518-136

Query Match      43.6%; Score 712; DB 17; Length 289;
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Best Local Similarity 56.2%; Pred. No. 5.7e-67;
Matches 144; Conservative 37; Mismatches 69; Indels 6; Gaps 3;

Qy 33 RVLICLDLFLCFMAGLPFLIIE---TSTIKPYHRGFYCNDESIKYPLKTGETINDAVL 88
Db 6 RLPYVALDVLCVLLAGLPFAIFTSRHITSRHTPPFQRGVFCNDESIKYPYKE-DTIPYALL 64

Qy 89 CAVGIVIAILAIITGEFYRIY-YLKKSRSSTIQNPYVAALYKQVGCFLFGCAISQSFTDIA 147
Db 65 GGIIIPFSIIILGETLSVYCNLLHSNFIRNNYIATIIYKAIGTFLFGAAASQSLTDIA 124

Qy 148 KVSIGRLRPHFLSVCPNPFQINCSQINCEGYIQNYRCRGGDSKVQEARKSFFSGHASFSMYTM 207
Db 125 KYSIGRLRPHFLDVCDPDWSKINCSDGYIEYICRGNAERVKEGRLSFYSGHSSFSMYCM 184

Qy 208 LYLVLYLQARFTWRGARLLRPLLQFTLLIMAFYTGLSRVSDHKHHPSDVLGAFQAQALVA 267
Db 185 LFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVA 244

Qy 268 CCIVFFVSDLFKTKTT 283
Db 245 ILVAVVVSDFFKERTS 260

RESULT 6
US-10-655-601-1
; Sequence 1, Application US/10655601
; Publication No. US20040137522A1
; GENERAL INFORMATION:
; APPLICANT: Feany, Mel B.
; APPLICANT: Shulman, Joshua M.
; TITLE OF INVENTION: Genes and Proteins Altering Tau-Related Neuropathy
; FILE REFERENCE: 7570/73251
; CURRENT APPLICATION NUMBER: US/10/655,601
; CURRENT FILING DATE: 2003-09-05
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-655-601-1

Query Match      43.0%; Score 702; DB 16; Length 285;
Best Local Similarity 54.0%; Pred. No. 6.5e-66;
Matches 136; Conservative 40; Mismatches 74; Indels 2; Gaps 2;
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Qy 33 RVLICLDLFLCFMAGLPFLIIE---TSTIKPYHRGFYCNDESIKYPLKTGETINDAVLCAVG 92
Db 6 RLPYVALDVLCVLLASMPMAVLKLGQIYPPFQRGFFCKDINSINYPYH-DSTVTSTVLILVG 64

Qy 93 IVIAILAIITGEFYRIY-YLKKSRSSTIQNPYVAALYKQVGCFLFGCAISQSFTDIKUSI 151
Db 65 VGLPISSIIILGETLSVYCNLLHSNFIRNNYIATIIYKAIGTFLFGAAASQSLTDIAKYSI 124

Qy 152 GRLRPHFLSVCPNPFQINCSQINCEGYIQNYRCRGGDSKVQEARKSFFSGHASFSMYTMLYLV 211
Db 125 GRLRPHFLDVCDPDWSKINCSDGYIEYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVA 184

Qy 212 LYLOARFTWRGARLLRPLLQFTLLIMAFYTGLSRVSDHKHHPSDVLGAFQAQALVACCIV 271
Db 185 LYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVA 244

Qy 272 FFVSDLFKTKTT 283
Db 245 VYVSDFFKERTS 256

RESULT 7
US-10-491-467-49
; Sequence 49, Application US/10491467
; Publication No. US20050186568A1
; GENERAL INFORMATION:
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; APPLICANT: INCYTE CORPORATION; BANDMAN, Olga;
; APPLICANT: BAUGHN, Mariah R.; BECHA, Shanya D.;
; APPLICANT: BOROWSKY, Mark L.; DUGGAN, Brendan M.;
; APPLICANT: EMERLING, Brooke M.; FORSYTHE, Ian J.;
; APPLICANT: GANDHI, Ameena R.; GORVAD, Ann E.;
; APPLICANT: GRIFFIN, Jennifer A.; GURURAJAN, Rajagopal;
; APPLICANT: HAFALIA, April J.A.; KHAN, Farrah A.;
; APPLICANT: LAL, Preeti G.; LEE, Ernestine A.;
; APPLICANT: LEE, Soo Yeun; LINDQUIST, Erika A.;
; APPLICANT: LU, Dying Aina M.; LU, Yan;
; APPLICANT: MARQUIS, Joseph P.; NGUYEN, Dannel B.;
; APPLICANT: ARVIZU, Chandra S.; RAMKUMAR, Jayalaxmi;
; APPLICANT: RECIPON, Shirley A.; RICHARDSON, Thomas W.;
; APPLICANT: SWARNAKAR, Anita; TANG, Y. Tom;
; APPLICANT: THORNTON, Michael B.; TRAN, Uyen K.;
; APPLICANT: CHAWLA, Narinder K.; WARREN, Bridget A.;
; APPLICANT: YANG, Junming; YAO, Monique G.;
; APPLICANT: YUE, Henry; ZEBARJADIAN, Yeganeh
; TITLE OF INVENTION: KINASES AND PHOSPHATASES
; FILE REFERENCE: PF-1244 USN
; CURRENT APPLICATION NUMBER: US/10/491,467
; CURRENT FILING DATE: 2004-03-31
; PRIOR APPLICATION NUMBER: PCT/US02/33723
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US 60/345,474
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/343,910
; PRIOR FILING DATE: 2001-11-02
; PRIOR APPLICATION NUMBER: US 60/333,098
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/332,424
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: US 60/334,288
; PRIOR FILING DATE: 2001-11-30
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: PERL Program
; SEQ ID NO 49
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 7503176CD1
US-10-491-467-49

Query Match 37.8%; Score 618; DB 18; Length 274;
Best Local Similarity 51.2%; Pred. No. 5.5e-57;
Matches 128; Conservative 42; Mismatches 70; Indels 10; Gaps 7;

QY	49	LPFLIETSTIKPYHRGFCYNDESIRYPLKGTGETINDAVLCAGVIVIAITLAIITGEFYRI	108
Db	6	LPFAIL-TLVNAPYKRGFCGDDSIIRYPYRP-DTITHGLMAGVTITATVILVSAGEAYLV	63
QY	109	YYLK-KSRSTIQNPYYAALYKQVGCFLFCGCAISQSFTDTIAKVSIGRLRPHFLSVCPDPS	167
Db	64	YTDRLYSRSDFNN-YVAAVYKVLGTLFGAAVSQSLTDLAKYMIGRLRPNFLAVCDPWS	122
QY	168	QINCSEGIQNYR-CRGDDSKVQEARSPFSGHASFMTMLYLVLVYLQAREFTWRGARLL	226
Db	123	RVNCVS-VYQLEKVCGRGNPADVTEARLSPYSGHSSFGMCMVFLALYVQARLCWKWARLL	181
QY	227	RPLLOFTLIMMAFYTGLSRVSDHKHHPSPDLVLAGFAQCALVACCIFFVSDLFKTKTTL	286
Db	182	RPTVQFLVAFALYVGYTRVSDYKHHWSDVLVGLLQALVAALTVCYISDFFKARP----	237
QY	287	PAPAIKKEIL	296
Db	238	PQHCKKEEL	247

RESULT 8
US-10-287-226-346
; Sequence 346, Application US/10287226

; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khrantsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigaru, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 346
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-226-346

Query Match 35.2%; Score 574.5; DB 15; Length 221;

Qy 121 PYVAALYKQVGCFLFGCAISQSFTDIKVSIGRLRPHFLSVCPNDFSQINCS--EGYION 178
Db 120 PLLRRIIRFTGVFAFGLPATDIFVNAGQVVTGHLTPYFLTVCKPNYTSADCAHQFINN 179
Qy 179 YR-CRGDSKVQEARKSFFSGHASFSMYTMLYLVLYLQARFTWRGARLLRPLLQFTLIMM 237
Db 180 GNICTGDLEVIEKARRSPFSKHAALSISYALYATMYITSTIKTKSSRLAKPVLCLGTLC 239
Qy 238 AFYTGLSRVSDHKHPSDVLAGFAQGALVACCIIVFFVSDLFK-TKTTLSLPAPAIRK--- 293
Db 240 AFLTGLNRVSEYRNHCSVDIAGFILGTAVALFLGMCVVHNFKGTQGPSKPKPEXPRGVP 299
Qy 294 -----EILSPVDIIDRNNHHMM 311
Db 300 LMAFPRIESPLETLSAQNHASAM 322

RESULT 15
US-11-097-143-24018
; Sequence 24018, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24018
; LENGTH: 334
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-24018

Query Match 20.8%; Score 339; DB 20; Length 334;
Best Local Similarity 33.2%; Pred. No. 3.9e-27;
Matches 87; Conservative 48; Mismatches 99; Indels 28; Gaps 8;

Qy 62 YHRGYCNDESIKYPLKTGETINDAVLCAVGIVIAILAITGEFYRIYVLKKSSTIQNP 121
Db 4 FKRGFCDLSIRYPYKDC-TITVPMLLMMLLPMLFVAVVEIMRI--CKRFRTRL--- 57
Qy 122 YVAALYKQVGCFLFGCAISQSFTDIKVSIGRLRPHFLSVCPN-----DFSQINCSEGY 175
Db 58 YFRNLWRABATFSFGFIATYLTTELAKHAGVRLRPHFFHCQPRLLDDGSSCSDLQNAELY 117
Qy 176 IQNYRCRGDD---SKVQEARKSFFSGHASFSMYTMLYLVLYLQARFTWR---GARLLRPL 229
Db 118 VEQFHCTNNLSTROIRELHVSPSAHSSLSFYSMVLALYVHG--VWRGCGVRVLRHV 175
Qy 230 LQFTLIMMAFYTGLSRVSDHKHPSDVLAGFAQGALVACCIIVFFVSDLFKTKTTLSPAP 289
Db 176 LQFLLLMAALCVSLSRVADYWHHWSVDLAGALLGVTYAATAAYVGNLLRRQTSTGRIP 235

Qy 290 AIRKEILSPVDIIDRNNHHMM 311
Db 236 -----PSLNYSHHLHHQLM 249
Search completed: November 2, 2005, 22:16:38
Job time : 93.2777 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 2, 2005, 21:27:15 ; Search time 17.5043 Seconds
(without alignments)
1215.413 Million cell updates/sec

Title: US-08-842-827-4
Perfect score: 1499
Sequence: 1 MFDKRLPYVALDVLVLLA.....HTTLHETPTTGNHYPSNHQP 285

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	1485	99.1	285	3 US-08-992-035A-1	Sequence 1, Appli
2	1105	73.7	283	3 US-08-992-035A-3	Sequence 3, Appli
3	1105	73.7	283	4 US-09-360-376-53	Sequence 53, Appl
4	1084.5	72.3	282	4 US-09-360-376-54	Sequence 54, Appl
5	513	34.2	233	4 US-09-360-376-55	Sequence 55, Appl
6	498.5	33.3	323	4 US-09-122-315C-18	Sequence 18, Appl
7	418	27.9	412	4 US-09-270-767-43247	Sequence 43247, A
8	260	17.3	348	4 US-09-360-376-13	Sequence 13, Appl
9	247.5	16.5	290	4 US-09-360-376-12	Sequence 12, Appl
10	247	16.5	343	4 US-09-360-376-17	Sequence 17, Appl
11	240	16.0	314	4 US-09-360-376-14	Sequence 14, Appl
12	234.5	15.6	322	4 US-09-360-376-16	Sequence 16, Appl
13	230.5	15.4	310	4 US-09-360-376-15	Sequence 15, Appl
14	193	12.9	289	4 US-09-360-376-52	Sequence 52, Appl
15	191.5	12.8	243	4 US-09-248-796A-15660	Sequence 15660, A
16	181.5	12.1	274	4 US-09-538-092-217	Sequence 217, App
17	180.5	12.0	296	4 US-09-248-796A-15661	Sequence 15661, A
18	115.5	7.7	126	4 US-09-621-976-4116	Sequence 4116, Ap
19	99.5	6.6	305	4 US-09-710-279-2536	Sequence 2536, Ap
20	97	6.5	556	4 US-09-815-923-6	Sequence 6, Appli
21	94	6.3	429	4 US-09-351-150A-5	Sequence 5, Appli
22	91.5	6.1	502	4 US-09-134-000C-6114	Sequence 6114, Ap
23	91	6.1	3011	4 US-10-104-966-1	Sequence 1, Appli
24	90	6.0	174	4 US-09-107-532A-4715	Sequence 4715, Ap
25	87.5	5.8	234	4 US-09-902-540-11032	Sequence 11032, A
26	87	5.8	2894	2 US-08-466-975A-23	Sequence 23, Appl
27	87	5.8	2894	2 US-08-391-671A-23	Sequence 23, Appl

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28      87      5.8      2894      3      US-08-467-902A-23      Sequence 23, Appl
29      87      5.8      2894      3      US-09-275-265-23      Sequence 23, Appl
30      87      5.8      2894      4      US-09-941-611-23      Sequence 23, Appl
31      86      5.7      3011      3      US-08-811-566-20      Sequence 20, Appl
32      86      5.7      3011      3      US-09-014-416-1       Sequence 1, Appl
33      86      5.7      3011      3      US-09-014-416-5       Sequence 5, Appl
34      86      5.7      3011      3      US-09-034-756-20      Sequence 20, Appl
35      86      5.7      3011      4      US-09-952-572-9       Sequence 9, Appl
36      86      5.7      3012      3      US-08-811-566-2       Sequence 2, Appl
37      86      5.7      3012      3      US-09-034-756-2       Sequence 2, Appl
38      85.5     5.7      662      4      US-09-252-991A-22861  Sequence 22861, A
39      85      5.7      445      4      US-09-902-540-16491  Sequence 16491, A
40      84.5     5.6      1769      4      US-09-949-016-8280   Sequence 8280, Ap
41      84.5     5.6      1769      4      US-09-949-016-8281   Sequence 8281, Ap
42      84.5     5.6      1769      4      US-09-949-016-8282   Sequence 8282, Ap
43      84.5     5.6      1813      4      US-09-949-016-8283   Sequence 8283, Ap
44      84.5     5.6      1813      4      US-09-949-016-8284   Sequence 8284, Ap
45      84.5     5.6      1813      4      US-09-949-016-8285   Sequence 8285, Ap

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ALIGNMENTS

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RESULT 1
US-08-992-035A-1
; Sequence 1, Application US/08992035A
; Patent No. 6242179
; GENERAL INFORMATION:
; APPLICANT: Shah, Purvi
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; TITLE OF INVENTION: HUMAN PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/992,035A
; FILING DATE: December 17, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0433 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 285 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BLADNOT06
; CLONE: 1719418
; US-08-992-035A-1

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Query Match 99.1%; Score 1485; DB 3; Length 285;
Best Local Similarity 98.6%; Pred. No. 1.7e-152;
Matches 281; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MFDKTRLPYVALDVLCVLLASMPMAVLKLGQIYPFQGFCKDINSINYPYHDSTAASSTVL 60
Db 1 MFDKTRLPYVALDVLCVLLASMPMAVLKLGQIYPFQGFCKDINSINYPYHDSTVSTVL 60
Qy 61 ILVGVLPSVSSII--LGETLSVYCNLLHNSFISNNYIATIIYKAIGTFLFGAAASQSLTDIA 120
Db 61 ILVGVLPISSII--LGETLSVYCNLLHNSFIRNNYIATIIYKAIGTFLFGAAASQSLTDIA 120
Qy 121 KYSIGRLRPHFLDVCDPDWSKINCSGDIYIYICRGAERVKEGRLSFYSGHSSFSMYCM 180
Db 121 KYSIGRLRPHFLDVCDPDWSKINCSGDIYIYICRGAERVKEGRLSFYSGHSSFSMYCM 180
Qy 181 LFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVA 240
Db 181 LFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVA 240
Qy 241 ILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 241 ILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285

RESULT 2
US-08-992-035A-3
; Sequence 3, Application US/08992035A
; Patent No. 6242179
; GENERAL INFORMATION:
; APPLICANT: Shah, Purvi
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; TITLE OF INVENTION: HUMAN PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/992,035A
; FILING DATE: December 17, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0433 US.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 283 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: 1487873

US-08-992-035A-3
Query Match 73.7%; Score 1105; DB 3; Length 283;
Best Local Similarity 73.5%; Pred. No. 2.6e-111;
Matches 211; Conservative 30; Mismatches 40; Indels 6; Gaps 4;

Qy 1 MFDKTRLPYVALDVLCVLLASMPMAVLKLGQIYPFQGFCKDINSINYPYHDSTAASSTVL 60
Db 1 MFDKTRLPYVALDVLCVLLAGLPFAIL-TSRHTPFQGFIFCNDSDSIKYPYKEDTI--PYA 57
Qy 61 ILVGVLPSVSSII--LGETLSVYCNLLHNSFISNNYIATIIYKAIGTFLFGAAASQSLTD 118
Db 58 LGGIVIPFCIIIVMSIGESLSVYFNVLHNSFVGNPYIATIIYKAVGAFLEFGVSASQSLTD 117
Qy 119 IAKYSIGRLRPHFLDVCDPDWSKINCSGDIYIYICRGAERVKEGRLSFYSGHSSFSMY 178
Db 118 IAKYTIIGSLRPHFLAICNPDWSKINCSGDIYIYICQNEEKVKEGRLSFYSGHSSFSMY 177
Qy 179 CMLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGAL 238
Db 178 CMLFVALYLQARMKGDWARLLRPMLOFGLIAFSIYVGLSRVSDYKHHWSDVTVGLIQGAA 237
Qy 239 VAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 238 MAILVALYVSDFFKDTHTSYKERKEEDPHTTLHETASSRN-YSTNHEP 283

RESULT 3
US-09-360-376-53
; Sequence 53, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruzinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53
; LENGTH: 283
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-360-376-53

Query Match 73.7%; Score 1105; DB 4; Length 283;
Best Local Similarity 73.5%; Pred. No. 2.6e-111;
Matches 211; Conservative 30; Mismatches 40; Indels 6; Gaps 4;

Qy 1 MFDKTRLPYVALDVLCVLLASMPMAVLKLGQIYPFQGFCKDINSINYPYHDSTAASSTVL 60
Db 1 MFDKTRLPYVALDVLCVLLAGLPFAIL-TSRHTPFQGFIFCNDSDSIKYPYKEDTI--PYA 57
Qy 61 ILVGVLPSVSSII--LGETLSVYCNLLHNSFISNNYIATIIYKAIGTFLFGAAASQSLTD 118
Db 58 LGGIVIPFCIIIVMSIGESLSVYFNVLHNSFVGNPYIATIIYKAVGAFLEFGVSASQSLTD 117
Qy 119 IAKYSIGRLRPHFLDVCDPDWSKINCSGDIYIYICRGAERVKEGRLSFYSGHSSFSMY 178
Db 118 IAKYTIIGSLRPHFLAICNPDWSKINCSGDIYIYICQNEEKVKEGRLSFYSGHSSFSMY 177
Qy 179 CMLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGAL 238
Db 178 CMLFVALYLQARMKGDWARLLRPMLOFGLIAFSIYVGLSRVSDYKHHWSDVTVGLIQGAA 237
Qy 239 VAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 238 MAILVALYVSDFFKDTHTSYKERKEEDPHTTLHETASSRN-YSTNHEP 283

RESULT 4
US-09-360-376-54
; Sequence 54, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael

; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 54
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Rattus sp.
US-09-360-376-54

Query Match 72.3%; Score 1084.5; DB 4; Length 282;
Best Local Similarity 73.5%; Pred. No. 4.3e-109;
Matches 211; Conservative 27; Mismatches 42; Indels 7; Gaps 5;

Qy 1 MFDKTRLPYVALDVLCLASMPMAVLKGLQIYPPQFGFFCKDINSINYPYHDSSTAATVL 60
Db 1 MFDKRLPYVVDVICVLLAGLPFIIL-TSRHTPPQFGVFCSTDESIKYPYREDTI--PYA 57

Qy 61 ILVGVGLPVSSIIL--GETLSVYCNLLHNSFISNNYIATYKAIGTFLFGAAASQSLTD 118
Db 58 LLGGIVIPFCIIVMITGETLSVYFNVLSNSFVSNHYIATYKAVGAFLEFGASASQSLTD 117

Qy 119 IAKYSIGRLRPHFLDVCDDPWSKINCSGDYIEYYICRGNAERVKEGRLSFYSGHSSFSMY 178
Db 118 IAKYSIGRLRPHFLAVCNPDWSKINCSGDYIENFVCOGNEQKVREGRLSFYSGHSSFSMY 177

Qy 179 CMLFVALYQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSVLTGLIOGAL 238
Db 178 CMLFVALYQARMKGDWARLLRPMQLQFGLVALSIYVGLSRVSDYKHHWSVLTGLIOGAV 237

Qy 239 VAILVAVYVDDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 238 VAILVLYVTDFFKTTESNKERK-EDSHTTLHET-TNRQSYARNHEP 282

RESULT 5
US-09-360-376-55
; Sequence 55, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 55
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-360-376-55

Query Match 34.2%; Score 513; DB 4; Length 233;
Best Local Similarity 50.5%; Pred. No. 2.8e-47;
Matches 100; Conservative 32; Mismatches 64; Indels 2; Gaps 2;

Qy 6 RLPYVALDVLCLASMPMAVLKGLQIYPPQFGFFCKDINSINYPYH-DSTAASTVLILVG 64
Db 33 RVLLICLDLFLMAGLPFLIETSTIKPYHRGFYCNDESICYPLKTGTINDAVLCAVG 92

Qy 65 VGLPVSSIILGETLSVYCNLLHNSFISNNYIATYKAIGTFLFGAAASQSLTDIAKYSI 124
Db 93 IVIAILAITGEFYRIY-YLKRSRSTIQNPYVAALYKQVGCFLFGCAISQSFTDIKYSI 151

Qy 125 GRLRPHFLDVCDDPWSKINCSGDYIEYYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVA 184
Db 152 GRLRPHFLSVCPNPDFSQINCSGYIQNYRCRGDDSKVQEARKSFFSGHASFMYTMLYLV 211

Qy 185 LYQARMKGDWARLLRPT 202
Db 212 LYQARFTWRGARCSPGS 229

RESULT 6
US-09-122-315C-18
; Sequence 18, Application US/09122315C
; Patent No. 6476294
; GENERAL INFORMATION:
; APPLICANT: Michael W. Lassner
; APPLICANT: Diane Ruezinsky
; TITLE OF INVENTION: Plant Phosphatidic Acid Phosphatases
; FILE REFERENCE: 17026/00/US
; CURRENT APPLICATION NUMBER: US/09/122,315C
; CURRENT FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: IBM PC: Windows NT 4.0; Microsoft Word for Windows 7.0a
; SEQ ID NO 18
; LENGTH: 323
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: entire conserved region depicted in Figure 1
; NAME/KEY: unsure
; LOCATION: (1)..(323)
; OTHER INFORMATION: unsure at all Xaa locations
US-09-122-315C-18

Query Match 33.3%; Score 498.5; DB 4; Length 323;
Best Local Similarity 43.0%; Pred. No. 1.7e-45;
Matches 114; Conservative 9; Mismatches 137; Indels 5; Gaps 3;

Qy 12 LDVLCVLLASMPMAVLKGLQIYPPQFGFFCKDINSINYPY--HDSTAASTVLLILVGVGLPV 69
Db 39 LDVXCXXXAGLPFXIXXXXXXXPFXXRGXXCNDXSIKYPYXXEXTIXXALLXXXXXXIXXI 98

Qy 70 SSIIIGETLSVYCNLLHNSFISNNYIATYKAIGTFLFGAAASQSLTDIAKYSIGRLRP 129
Db 99 XXXIXGEXLXXYXXSXXSXXNXXYIAXYKXVGVFLFGXXXSQSXTDIAXXIGRLRP 158

Qy 130 HFLDVCDDPWSKINCSGDYIEYYIC-RGNAERVKEGRLSFYSGHSS--FSMYCMLFVALY 186
Db 159 HFLXXCNPDXSXINCSXGYIXXXCXXGNXXKXVXEGRXSFXXSGHSSXXFSMYXMLXXXLY 218

Qy 187 LQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSVLTGLIOGALVAILVAVY 246
Db 219 LQARXXXXXARLXRPXMXFX 278

Qy 247 VSDFFKERTSFKERKEEDSHTTLHE 271
Db 279 XXXXXXXXXXKXXXXXXXTLXE 303

RESULT 7
US-09-270-767-43247
; Sequence 43247, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43247
; LENGTH: 412
; TYPE: PRT

```

; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43247

Query Match      27.9%; Score 418; DB 4; Length 412;
Best Local Similarity 39.9%; Pred. No. 1.3e-36;
Matches 101; Conservative 39; Mismatches 87; Indels 26; Gaps 8;

Qy 15 LCVL-LASMPMAVLKL-GQIYPFQRFQGFCKDINSINYPYHDSAASTVLILVGVGLPVSSI 72
Db 120 LCLLSCVGLPMLGFSLWGE--AVKRGFFCDDSSLRHPYRDSMPSWILYLMCGALPLTVM 177
Qy 73 ILGETLSVVCNLLHS---NSFISNNY-----IATYKAIGTFLFGAAASQSLTDI 119
Db 178 LVVEFFRGQDKRLHSPFPKSTMCSGYHLCHLELPTWLVECYHRMGIFIFGLGVEQLSTNI 237
Qy 120 AKYSIGRLRPHFLDVCDDPWSK-INCSD-----GYIEYICRG---NAERVKEGRLSFYS 170
Db 238 AKYSIGRLRPHFYTLCPVMKDGTTCTSDPINAARYIEEFTCAAVDITSKQLKOMRLSPFS 297
Qy 171 GHSSFMYCMLFVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVL 230
Db 298 GHASFACVSMLYLVLYLHRRMQWKQLRMLCHLLQFLLLMFAWYALTALTRVSDYKHHWSDVL 357
Qy 231 TGLIOGALVAILV 243
Db 358 AGSGIGLTYAVVV 370

RESULT 8
US-09-360-376-13
; Sequence 13, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-360-376-13

Query Match      17.3%; Score 260; DB 4; Length 348;
Best Local Similarity 32.1%; Pred. No. 1.3e-19;
Matches 75; Conservative 40; Mismatches 87; Indels 32; Gaps 9;

Qy 14 VLVLLASMPMAVLKLGQIYPFQRFQGFCKD--NSINYPYHDSAASTVLILVGVGLPVSS 71
Db 74 ILVILIA-----IEIGNLISPFYR-YVGKDMTDLKYPKPDNTVPISVPVYAVLLPIIV 128
Qy 72 IILGETLSVVCNLLHSNFIANNIYATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 131
Db 129 FV-----C-----FYLKRTCVDLHSHLGLLFAVLITGVITDSIKVATGRPRNF 174
Qy 132 LDVCDPWSKINCSDGYIEYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARM 191
Db 175 YWRCFPDGKELYDALGV---VCHGKAAEVKEGHKSPSGHTSWSFAGLFLSLYLSGKI 231
Qy 192 K-----GDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIOGALVA 240
Db 232 KAFNNEGHVAKLC--LVTFPLLAACL-VGISRVDDYWHHWQDVFAAGALIGTLVA 282

RESULT 9
US-09-360-376-12
; Sequence 12, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-360-376-12

Query Match      16.5%; Score 247.5; DB 4; Length 290;
Best Local Similarity 33.2%; Pred. No. 2.3e-18;
Matches 79; Conservative 33; Mismatches 91; Indels 35; Gaps 9;

Qy 13 DVLVLLASMPMAVLKLGQIYPFQRFQGFCKD--NSINYPYHDSAASTVLILVGVGLPVSS 70
Db 25 DWLILLLLIVIEIVLVN--IEPFHR-FVGEDMLTDLRYPLQDNTIPWAVPLIAVLPFA 81
Qy 71 SIILGETLSVVCNLLHSNFIANNIYATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPH 130
Db 82 -----VICVY-----YFIRNDVYDLHAILGLLFSVLITGVITDAIKDVGRRPDP 127
Qy 131 FLDVCDPWSKINCSDGYIEYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVALYLQAR 190
Db 128 FFWRCFPD--GIGIFHNVTKNVLTGAKDVKVKEGHKSPSGHTSWSFAGLFLSLYLSGK 185
Qy 191 M-----KGDWARL---LRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIOGALVA 240
Db 186 IRVFDQRGHVAKLCIVILPLL-----VAALVGVSRVDDYWHHWQDVFGGAIIGTLVA 237

RESULT 10
US-09-360-376-17
; Sequence 17, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Glycine sp.
US-09-360-376-17

Query Match      16.5%; Score 247; DB 4; Length 343;
Best Local Similarity 31.2%; Pred. No. 3.4e-18;
Matches 72; Conservative 39; Mismatches 92; Indels 28; Gaps 7;

Qy 17 VLLASMPMAVLKLGQIYPFQRFQGFCKD--NSINYPYHDSAASTVLILVGVGLPVSSIL 74
Db 51 LILLLVIVISLYIHPFHR-FVGKDMTDLKYPKSNTPVPAWAIPIYAILLPI-VIFL 108
Qy 75 GETLSVVCNLLHSNFIANNIYATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHFLDV 134
Db 109 G-----VYRRRDVYDLHHAVALGLLFSVLITAVFTEAIKNAVGRPRDPDFWR 155
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; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43247

Query Match      27.9%; Score 418; DB 4; Length 412;
Best Local Similarity 39.9%; Pred. No. 1.3e-36;
Matches 101; Conservative 39; Mismatches 87; Indels 26; Gaps 8;

Qy 15 LCVL-LASMPMAVLKL-GQIYPFQRFQGFCKDINSINYPYHDSAASTVLILVGVGLPVSSI 72
Db 120 LCLLSCVGLPMLGFSLWGE--AVKRGFFCDDSSLRHPYRDSMPSWILYLMCGALPLTVM 177
Qy 73 ILGETLSVVCNLLHS---NSFISNNY-----IATYKAIGTFLFGAAASQSLTDI 119
Db 178 LVVEFFRGQDKRLHSPFPKSTMCSGYHLCHLELPTWLVECYHRMGIFIFGLGVEQLSTNI 237
Qy 120 AKYSIGRLRPHFLDVCDDPWSK-INCSD-----GYIEYICRG---NAERVKEGRLSFYS 170
Db 238 AKYSIGRLRPHFYTLCPVMKDGTTCTSDPINAARYIEEFTCAAVDITSKQLKOMRLSPFS 297
Qy 171 GHSSFMYCMLFVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVL 230
Db 298 GHASFACVSMLYLVLYLHRRMQWKQLRMLCHLLQFLLLMFAWYALTALTRVSDYKHHWSDVL 357
Qy 231 TGLIOGALVAILV 243
Db 358 AGSGIGLTYAVVV 370

RESULT 8
US-09-360-376-13
; Sequence 13, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-360-376-13

Query Match      17.3%; Score 260; DB 4; Length 348;
Best Local Similarity 32.1%; Pred. No. 1.3e-19;
Matches 75; Conservative 40; Mismatches 87; Indels 32; Gaps 9;

Qy 14 VLVLLASMPMAVLKLGQIYPFQRFQGFCKD--NSINYPYHDSAASTVLILVGVGLPVSS 71
Db 74 ILVILIA-----IEIGNLISPFYR-YVGKDMTDLKYPKPDNTVPISVPVYAVLLPIIV 128
Qy 72 IILGETLSVVCNLLHSNFIANNIYATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 131
Db 129 FV-----C-----FYLKRTCVDLHSHLGLLFAVLITGVITDSIKVATGRPRNF 174
Qy 132 LDVCDPWSKINCSDGYIEYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARM 191
Db 175 YWRCFPDGKELYDALGV---VCHGKAAEVKEGHKSPSGHTSWSFAGLFLSLYLSGKI 231
Qy 192 K-----GDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIOGALVA 240
Db 232 KAFNNEGHVAKLC--LVTFPLLAACL-VGISRVDDYWHHWQDVFAAGALIGTLVA 282

RESULT 9
US-09-360-376-12
; Sequence 12, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-360-376-12

Query Match      16.5%; Score 247.5; DB 4; Length 290;
Best Local Similarity 33.2%; Pred. No. 2.3e-18;
Matches 79; Conservative 33; Mismatches 91; Indels 35; Gaps 9;

Qy 13 DVLVLLASMPMAVLKLGQIYPFQRFQGFCKD--NSINYPYHDSAASTVLILVGVGLPVSS 70
Db 25 DWLILLLLIVIEIVLVN--IEPFHR-FVGEDMLTDLRYPLQDNTIPWAVPLIAVLPFA 81
Qy 71 SIILGETLSVVCNLLHSNFIANNIYATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPH 130
Db 82 -----VICVY-----YFIRNDVYDLHAILGLLFSVLITGVITDAIKDVGRRPDP 127
Qy 131 FLDVCDPWSKINCSDGYIEYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVALYLQAR 190
Db 128 FFWRCFPD--GIGIFHNVTKNVLTGAKDVKVKEGHKSPSGHTSWSFAGLFLSLYLSGK 185
Qy 191 M-----KGDWARL---LRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIOGALVA 240
Db 186 IRVFDQRGHVAKLCIVILPLL-----VAALVGVSRVDDYWHHWQDVFGGAIIGTLVA 237

RESULT 10
US-09-360-376-17
; Sequence 17, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lassner, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Glycine sp.
US-09-360-376-17

Query Match      16.5%; Score 247; DB 4; Length 343;
Best Local Similarity 31.2%; Pred. No. 3.4e-18;
Matches 72; Conservative 39; Mismatches 92; Indels 28; Gaps 7;

Qy 17 VLLASMPMAVLKLGQIYPFQRFQGFCKD--NSINYPYHDSAASTVLILVGVGLPVSSIL 74
Db 51 LILLLVIVISLYIHPFHR-FVGKDMTDLKYPKSNTPVPAWAIPIYAILLPI-VIFL 108
Qy 75 GETLSVVCNLLHSNFIANNIYATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHFLDV 134
Db 109 G-----VYRRRDVYDLHHAVALGLLFSVLITAVFTEAIKNAVGRPRDPDFWR 155
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; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 52
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-360-376-52

Query Match      12.9%; Score 193; DB 4; Length 289;
Best Local Similarity 26.6%; Pred. No. 1.9e-12;
Matches 79; Conservative 48; Mismatches 104; Indels 66; Gaps 14;

Qy 4 KTRLPYVALDVLCVLLASMPMAVLKGLQIY---PFQGFCKDINSINYPHYDSTAASTVL 60
Db 16 KWRLEDVFLIIIMILL-NYP-----VYQQPFERQFYINDLTISHPYATTERTVNNNM 66

Qy 61 ILVGVLVPSSIIIGETLSVYCNLLHSNFSISNNYIATYKAIGTFLFGAAASQSLTDIA 120
Db 67 LFV-----YSFVWPSLTIILIGSILADR-----RHLIFILYTSLLGLSLAWFSTFFTNFI 117

Qy 121 KYSIGRLRPHFLDVCDPDWSKINCSDG-----YIEYVIC-RGNAERVKEGRLSFYSGHS 173
Db 118 KNWIGRLRPDFLDRCQP-----VEGLPLDTLFTAKDVCTTKNHERLLDGFRTTPSGHS 170

Qy 174 SFS-----MYCMLFVALYLQARMKGDWARLLR--PTLQGLVAVSIYVGLSRVSDYKHH 225
Db 171 SESFAGLGVLFWLCGQLLTESPLMPLWRKMVAFPLPLGAALIA-----LSRTQDYRHH 224

Qy 226 WSDVLTGLIQGALVAILVAVVYVSDFFKER-----TSFKERKEEDSHTTLHETPT 274
Db 225 FVDVILGSMGLGYIMA-----HFFYRRIRFPIDDDPLPKPLM-DDSDVTLEEAVT 272

RESULT 15
US-09-248-796A-15660
; Sequence 15660, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 15660
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-15660

Query Match      12.8%; Score 191.5; DB 4; Length 243;
Best Local Similarity 29.1%; Pred. No. 2.1e-12;
Matches 62; Conservative 35; Mismatches 87; Indels 29; Gaps 9;

Qy 67 LPVSSIIIGETLSVYCNLLHSNFSISNNYIATYKAIGTFLFGAAASQSLTDIAKYSIGR 126
Db 26 IPLSVIIIIIVALIST-CPPKYK---LYNTWVSSI-----GLLSVLITSFVTNIVKNWFCR 76

Qy 127 LRPFLDVCDDP--DWSKINCSDGYIEYVIC-RGNAERVKEGRLSFYSGHSSFSMYCMLFV 183
Db 77 LRPDFLDRCQPDNDTPK-----DKLVSIEVCTTDNLDRLADGFRRTTPSGHSSISFAGLFYL 132
```

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Qy 184 ALYL--QARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAI 241
Db 133 TLFLLGQSQAANNKGTSSWRTMISFIPWLMACYIALSRTQDYRHHFIDVFVVGSCGLIIAI 192
Qy 242 -----LVAVVYVSDFFKERTSFKE--RKEE 263
Db 193 WQYFRLFPWFQGNQANDSFNNRIMIEEIKRKEE 225
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Search completed: November 2, 2005, 21:48:56
Job time : 18.5043 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 2, 2005, 21:46:06 ; Search time 84.5632 Seconds
(without alignments)
1408.915 Million cell updates/sec

Title: US-08-842-827-4
Perfect score: 1499
Sequence: 1 MFDKTRLPYVALDVLCLVLLA.....HTTLHETPTTGNHYPNSHQ 285

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1865214 seqs, 418043040 residues

Total number of hits satisfying chosen parameters: 1865214

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	1485	99.1	285	16	US-10-655-601-1
2	1309.5	87.4	284	18	US-10-764-425-157
3	1306	87.1	289	16	US-10-643-795A-136
4	1306	87.1	289	17	US-10-948-518-136
5	1128	75.3	221	15	US-10-287-226-346
6	1128	75.3	221	15	US-10-287-226-348
7	737	49.2	274	18	US-10-491-467-49
8	694	46.3	311	17	US-10-812-238A-13
9	688	45.9	311	16	US-10-655-601-2
10	552.5	36.9	372	20	US-11-097-143-2046
11	435	29.0	340	20	US-11-097-143-14997
					Sequence 1, Appli
					Sequence 157, App
					Sequence 136, App
					Sequence 136, App
					Sequence 346, App
					Sequence 348, App
					Sequence 49, Appl
					Sequence 13, Appl
					Sequence 2, Appli
					Sequence 2046, Ap
					Sequence 14997, A

12	413	27.6	246	20	US-11-097-143-912	Sequence 912, App
13	413	27.6	341	20	US-11-097-143-41346	Sequence 41346, A
14	409.5	27.3	334	20	US-11-097-143-24018	Sequence 24018, A
15	393	26.2	305	20	US-11-097-143-41352	Sequence 41352, A
16	344.5	23.0	321	15	US-10-343-357-5	Sequence 5, Appli
17	333.5	22.2	305	20	US-11-097-143-41349	Sequence 41349, A
18	311.5	20.8	577	15	US-10-094-749-2701	Sequence 2701, Ap
19	301.5	20.1	326	17	US-10-204-921-58	Sequence 58, Appl
20	290	19.3	292	16	US-10-476-232-2	Sequence 2, Appli
21	287	19.1	318	15	US-10-369-493-6893	Sequence 6893, Ap
22	274.5	18.3	89	14	US-10-029-386-29445	Sequence 29445, A
23	263.5	17.6	318	18	US-10-491-467-52	Sequence 52, Appl
24	262.5	17.5	187	16	US-10-476-232-3	Sequence 3, Appli
25	257.5	17.2	427	15	US-10-108-260A-2833	Sequence 2833, Ap
26	256	17.1	220	14	US-10-106-698-5750	Sequence 5750, Ap
27	246.5	16.4	180	9	US-09-860-670-125	Sequence 125, App
28	246.5	16.4	180	14	US-10-103-313-490	Sequence 490, App
29	246.5	16.4	180	15	US-10-227-646-125	Sequence 125, App
30	246.5	16.4	183	14	US-10-103-313-340	Sequence 340, App
31	245	16.3	319	16	US-10-739-930-10075	Sequence 10075, A
32	243.5	16.2	607	16	US-10-723-860-3797	Sequence 3797, Ap
33	240	16.0	343	15	US-10-424-599-276804	Sequence 276804,
34	239.5	16.0	247	16	US-10-437-963-152388	Sequence 152388,
35	239.5	16.0	309	16	US-10-767-701-44853	Sequence 44853, A
36	237	15.8	311	16	US-10-425-115-203641	Sequence 203641,
37	234.5	15.6	322	15	US-10-424-599-207810	Sequence 207810,
38	234.5	15.6	333	15	US-10-425-114-43046	Sequence 43046, A
39	232.5	15.5	377	15	US-10-425-114-47060	Sequence 47060, A
40	232	15.5	321	16	US-10-425-115-323994	Sequence 323994,
41	231.5	15.4	310	16	US-10-425-115-203640	Sequence 203640,
42	231.5	15.4	318	15	US-10-425-114-70549	Sequence 70549, A
43	231.5	15.4	324	15	US-10-425-114-41280	Sequence 41280, A
44	230.5	15.4	310	16	US-10-425-115-239676	Sequence 239676,
45	230.5	15.4	368	15	US-10-425-114-64697	Sequence 64697, A

ALIGNMENTS

RESULT 1
US-10-655-601-1
; Sequence 1, Application US/10655601
; Publication No. US20040137522A1
; GENERAL INFORMATION:
; APPLICANT: Feany, Mel B.
; APPLICANT: Shulman, Joshua M.
; TITLE OF INVENTION: Genes and Proteins Altering Tau-Related Neuropathy
; FILE REFERENCE: 7570/73251
; CURRENT APPLICATION NUMBER: US/10/655,601
; CURRENT FILING DATE: 2003-09-05
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-655-601-1

Query Match 99.1%; Score 1485; DB 16; Length 285;
Best Local Similarity 98.6%; Pred. No. 2.8e-147;
Matches 281; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy	1	MFDKTRLPYVALDVLCLVLLASMPMAVLKGLQIYPFORGFCKDINSINYPYHDSAASTVL	60
Db	1	MFDKTRLPYVALDVLCLVLLASMPMAVLKGLQIYPFORGFCKDINSINYPYHDSAASTVL	60
Qy	61	ILVGVGLPVSSIILGETLSVYCNLHNSFISNNYTIATYKAIGTFLGAAASQSLTDIA	120
Db	61	ILVGVGLPVSSIILGETLSVYCNLHNSFIRNNYTIATYKAIGTFLGAAASQSLTDIA	120
Qy	121	KYSIGRLRPHFLDVCDDPWSKINCSGVIEYICRGNAERVKEGRLSFYSGHSSFSMYCM	180
Db	121	KYSIGRLRPHFLDVCDDPWSKINCSGVIEYICRGNAERVKEGRLSFYSGHSSFSMYCM	180

Qy 181 LFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVA 240
Db 181 LFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVA 240
Qy 241 ILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 241 ILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285

RESULT 2

US-10-764-425-157
; Sequence 157, Application US/10764425
; Publication No. US20040146921A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; APPLICANT: Taylor, Ian
; TITLE OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF USE
; FILE REFERENCE: 5151
; CURRENT APPLICATION NUMBER: US/10/764,425
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: 60/442,582
; PRIOR FILING DATE: 2003-01-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 157
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-764-425-157

Query Match 87.4%; Score 1309.5; DB 18; Length 284;
Best Local Similarity 88.5%; Pred. No. 8e-129;
Matches 254; Conservative 7; Mismatches 21; Indels 5; Gaps 3;

Qy 1 MFDKTRLPPYVALDVLCVLLASMPMAVLKLGQIYPFQGFCKDINSINYPYHDSTAATVL 60
Db 1 MFDKTRLPPYVALDVLCVLLAGLPFAIL-TSRHTPFQGFVFCNDESIKYPYKEDTI--PYA 57
Qy 61 ILVGVGLPVS--SIILGETLSVYCNLLHNSFISNNYIATIKYKAIGTFLFGAAASQSLTD 118
Db 58 LLGGIIPFSIIIVILGETLSVYCNLLHNSFIRNNYIATIKYKAIGTFLFGAAASQSLTD 117
Qy 119 IAKYSIGRLRPHFLDVCDDWSKINCSDGYEYICRGNAERVKEGRLSFYSGHSSFSMY 178
Db 118 IAKYSIGRLRPHFLDVCDDWSKINCSDGYEYICRGNAERVKEGRLSFYSGHSSFSMY 177
Qy 179 CMLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGAL 238
Db 178 CMLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGAL 237
Qy 239 VAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 238 VAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 284

RESULT 3

US-10-643-795A-136
; Sequence 136, Application US/10643795A
; Publication No. US20040241703A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND

; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/643,795A
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 136
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-643-795A-136

Query Match 87.1%; Score 1306; DB 16; Length 289;
Best Local Similarity 87.3%; Pred. No. 1.9e-128;
Matches 254; Conservative 6; Mismatches 23; Indels 8; Gaps 3;

Qy 1 MFDKTRLPPYVALDVLCVLLASMPMAVLKLGQI----YPFQGFCKDINSINYPYHDSTAA 56
Db 1 MFDKTRLPPYVALDVLCVLLAGLPFAIFTSRHTSRHTPFQGFVFCNDESIKYPYKEDTI- 59
Qy 57 STVLILVGVGLPVS--SIILGETLSVYCNLLHNSFISNNYIATIKYKAIGTFLFGAAASQ 114
Db 60 -PYALLGGIIPFSIIIVILGETLSVYCNLLHNSFIRNNYIATIKYKAIGTFLFGAAASQ 118
Qy 115 SLTDIAKYSIGRLRPHFLDVCDDWSKINCSDGYEYICRGNAERVKEGRLSFYSGHSS 174
Db 119 SLTDIAKYSIGRLRPHFLDVCDDWSKINCSDGYEYICRGNAERVKEGRLSFYSGHSS 178
Qy 175 FSMYCMFLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLI 234
Db 179 FSMYCMFLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLI 238
Qy 235 QGALVAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 239 QGALVAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 289

RESULT 4

US-10-948-518-136
; Sequence 136, Application US/10948518
; Publication No. US20050064492A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/948,518
; CURRENT FILING DATE: 2004-09-22
; PRIOR APPLICATION NUMBER: US/10/643,795
; PRIOR FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21

; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 136
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-948-518-136

Query Match 87.1%; Score 1306; DB 17; Length 289;
Best Local Similarity 87.3%; Pred. No. 1.9e-128;
Matches 254; Conservative 6; Mismatches 23; Indels 8; Gaps 3;

Qy 1 MFDKTRLPYVALDVLCVLLASMPMAVLKGOI---YPFQGFCKDINSINYPYHDSTAA 56
Db 1 MFDKTRLPYVALDVLCVLLAGLPFAIFTSRHITSRHTPPQFQVFCNDESIKYPYKEDTI- 59

Qy 57 STVLILVGVLPVS--SIILGETLSVYCNLLHSNFSISNNYIATYKAIGTFLFGAAASQ 114
Db 60 -PYALLGGIIPFSIIIVILGETLSVYCNLLHSNFIRNNYIATYKAIGTFLFGAAASQ 118

Qy 115 SLTDIAKYSIGRLRPHFLDVCDDPWSKINCSGDYIEYYICRGNAERVKEGRLSFYSGHSS 174
Db 119 SLTDIAKYSIGRLRPHFLDVCDDPWSKINCSGDYIEYYICRGNAERVKEGRLSFYSGHSS 178

Qy 175 FSMYCMFLVALYLOARMKGDWARLLRPTLQGLVAVSIYVGLSRVSDYKHHWSDVLTGLI 234
Db 179 FSMYCMFLVALYLOARMKGDWARLLRPTLQGLVAVSIYVGLSRVSDYKHHWSDVLTGLI 238

Qy 235 QGALVAILVAVVVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 239 QGALVAILVAVVVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 289

RESULT 5
US-10-287-226-346
; Sequence 346, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khramtsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigaru, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,

; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 346
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-226-346

Query Match 75.3%; Score 1128; DB 15; Length 221;
Best Local Similarity 99.5%; Pred. No. 6.9e-110;
Matches 213; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 72 IILGETLSVYCNLLHSNFSISNNYIATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 131
Db 8 IILGETLSVYCNLLHSNFSIRNNYIATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 67

Qy 132 LDVCDPWSKINCSGDYIEYYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVALYLOARM 191
Db 68 LDVCDPWSKINCSGDYIEYYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVALYLOARM 127

Qy 192 KGDWARLLRPTLQGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVVVSDF 251
Db 128 KGDWARLLRPTLQGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVVVSDF 187

Qy 252 KERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 285
Db 188 KERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 221

RESULT 6
US-10-287-226-348
; Sequence 348, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,

```
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khrantsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigaru, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rothenberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderna, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Verniet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 348
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-226-348

Query Match      75.3%; Score 1128; DB 15; Length 221;
Best Local Similarity 99.5%; Pred. No. 6.9e-110;
Matches 213; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      72 IILGETLSVYCNLLHSNSFISNNYIATIKYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 131
Db      8 IILGETLSVYCNLLHSNSFIRNNYIATIKYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 67
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Qy      132 LDVCDPDWSKINCSGVIYYICRGAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARM 191
Db      68 LDVCDPDWSKINCSGVIYYICRGAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARM 127
Qy      192 KGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVVVSDF 251
Db      128 KGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVVVSDF 187
Qy      252 KERTSFKERKEEDSHTTLHETPTTGNHYPNSHQ 285
Db      188 KERTSFKERKEEDSHTTLHETPTTGNHYPNSHQ 221

RESULT 7
US-10-491-467-49
; Sequence 49, Application US/10491467
; Publication No. US20050186568A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE CORPORATION; BANDMAN, Olga;
; APPLICANT: BAUGHN, Mariah R.; BECHA, Shanya D.;
; APPLICANT: BOROWSKY, Mark L.; DUGGAN, Brendan M.;
; APPLICANT: EMERLING, Brooke M.; FORSYTHE, Ian J.;
; APPLICANT: GANDHI, Ameena R.; GORVAD, Ann E.;
; APPLICANT: GRIFFIN, Jennifer A.; GURURAJAN, Rajagopal;
; APPLICANT: HAFALIA, April J.A.; KHAN, Farrah A.;
; APPLICANT: LAL, Preeti G.; LEE, Ernestine A.;
; APPLICANT: LEE, Soo Yeun; LINDQUIST, Erika A.;
; APPLICANT: LU, Dyung Aina M.; LU, Yan;
; APPLICANT: MARQUIS, Joseph P.; NGUYEN, Dannie B.;
; APPLICANT: ARVIZU, Chandra S.; RAMKUMAR, Jayalaxmi;
; APPLICANT: RECIPON, Shirley A.; RICHARDSON, Thomas W.;
; APPLICANT: SWARNAKAR, Anita; TANG, Y. Tom;
; APPLICANT: THORNTON, Michael B.; TRAN, Uyen K.;
; APPLICANT: CHAWLA, Narinder K.; WARREN, Bridget A.;
; APPLICANT: YANG, Junming; YAO, Monique G.;
; APPLICANT: YUE, Henry; ZEBARJADIAN, Yeganeh
; TITLE OF INVENTION: KINASES AND PHOSPHATASES
; FILE REFERENCE: PP-1244 USN
; CURRENT APPLICATION NUMBER: US/10/491,467
; CURRENT FILING DATE: 2004-03-31
; PRIOR APPLICATION NUMBER: PCT/US02/33723
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US 60/345,474
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/343,910
; PRIOR FILING DATE: 2001-11-02
; PRIOR APPLICATION NUMBER: US 60/333,098
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/332,424
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: US 60/334,288
; PRIOR FILING DATE: 2001-11-30
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: PERL Program
; SEQ ID NO 49
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 7503176CD1
US-10-491-467-49
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Query Match      49.2%; Score 737; DB 18; Length 274;
Best Local Similarity 56.3%; Pred. No. 1.2e-68;
Matches 152; Conservative 34; Mismatches 74; Indels 10; Gaps 6;

Qy      21 SMPMAVLKLGQIYPFQGFCKDINSINYPYHDSIAASTVILVGLVPVSSIILGETLSV 80
Db      5 SLPFAILLVNA-PYKRGFCYCGDDSIYPYRPTITHGLMAGVTITATVILVSAGEAYLV 63
|||||
Qy      81 YCNLLHSNSFISNNYIATIKYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHFLDVCDPDWS 140
Db      8 IILGETLSVYCNLLHSNSFIRNNYIATIKYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 67
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Db 64 YDRLYSRSDF--NNYVAAVYKVLGTFLFGAAVSQSLTDLAKYMIGRLRPNFLAVCDPDWS 122
QY 141 KINCSGYIEY-YICRGAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARMKGDWARLL 199
Db 123 RVNCS-VVQLEKVCGRNPADTEARLSFYSGHSSFGMYCMFLALYVQARLCKWKARLL 181
QY 200 RPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQALVAILVAVYVSDFFKERTSKE 259
Db 182 RPTVQFFLAFALYVGYTRVSDYKHHWSDVLTGLIQALVAILVAALTVCYISDFFKARPPQHC 241
QY 260 RKEE--DSHTTLHETPTTG---NHYPNSH 283
Db 242 LKEEELERKPSLSLTTLTGEADHNHYGYPH 271

RESULT 8
US-10-812-238A-13
; Sequence 13, Application US/10812238A
; Publication No. US20050002904A1
; GENERAL INFORMATION:
; APPLICANT: Wary, Kishore, K.
; APPLICANT: Humtsoe, Joseph O.
; TITLE OF INVENTION: Uses of Vascular Endothelial Growth Factor
; TITLE OF INVENTION: and Type I Collagen Inducible Protein (VCIP)
; FILE REFERENCE: D6563
; CURRENT APPLICATION NUMBER: US/10/812,238A
; CURRENT FILING DATE: 2004-03-29
; PRIOR APPLICATION NUMBER: US 60/458,164
; PRIOR FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO 13
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: CHAIN
; OTHER INFORMATION: human VCIP

US-10-812-238A-13
Query Match 46.3%; Score 694; DB 17; Length 311;
Best Local Similarity 53.6%; Pred. No. 4.8e-64;
Matches 135; Conservative 39; Mismatches 76; Indels 2; Gaps 2;

QY 6 RLPYVALDVLCVLLASMPMAVLKLGQIYPFORGFCKDINSINYPYH-DSTAASVLLVVG 64
Db 33 RVLICLDLFLFMAGLPFLIETSTIKPYHRGFYCNDESIKYPLKTGETINDAVLCAVG 92
QY 65 VGLPVSSIILGETLSVYCNLLHSNFSISNNVIATIIYKAIGTFLFGAAASQSITDIKYSI 124
Db 93 IVIAILAITGEFYRIY-YLKKSRSSTIQNPVVAALYKQVGCFLFGCAISQSFTDIKYSI 151
QY 125 GRLRPHFLDVCDPDWSKINCSGDIYIYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVA 184
Db 152 GRLRPHFLSVNCPDQINCSGDIYIYICRGNAERVKEGRLSFYSGHSSFSMYTMLYL 211
QY 185 LYQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQALVAILVA 244
Db 212 LYQARFTWRGARLLRPLLOFTLIMMAFYTGLSRVSDYKHHWSDVLTGLAQALVACCIV 271
QY 245 VYVSDFFKERTS 256
Db 272 FFVSDLFKTKTT 283

RESULT 9
US-10-655-601-2
; Sequence 2, Application US/10655601
; Publication No. US20040137522A1
; GENERAL INFORMATION:
; APPLICANT: Feany, Mel B.
; APPLICANT: Shulman, Joshua M.
; TITLE OF INVENTION: Genes and Proteins Altering Tau-Related Neuropathy
; FILE REFERENCE: 7570/73251

; CURRENT APPLICATION NUMBER: US/10/655,601
; CURRENT FILING DATE: 2003-09-05
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-655-601-2

Query Match 45.9%; Score 688; DB 16; Length 311;
Best Local Similarity 53.6%; Pred. No. 2e-63;
Matches 134; Conservative 38; Mismatches 76; Indels 2; Gaps 2;

QY 6 RLPYVALDVLCVLLASMPMAVLKLGQIYPFORGFCKDINSINYPYH-DSTAASVLLVVG 64
Db 33 RVLICLDLFLFMAGLPFLIETSTIKPYHRGFYCNDESIKYPLKTGETINDAVLCAVG 92
QY 65 VGLPVSSIILGETLSVYCNLLHSNFSISNNVIATIIYKAIGTFLFGAAASQSITDIKYSI 124
Db 93 IVIAILAITGEFYRIY-YLKKSRSSTIQNPVVAALYKQVGCFLFGCAISQSFTDIKYSI 151
QY 125 GRLRPHFLDVCDPDWSKINCSGDIYIYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVA 184
Db 152 GRLRPHFLSVNCPDQINCSGDIYIYICRGNAERVKEGRLSFYSGHSSFSMYTMLYL 211
QY 185 LYQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQALVAILVA 244
Db 212 LYQARFTWRGARLLRPLLOFTLIMMAFYTGLSRVSDYKHHWSDVLTGLAQALVACCIV 271
QY 245 VYVSDFFKER 254
Db 272 FFVSDLFKTK 281

RESULT 10
US-11-097-143-2046
; Sequence 2046, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2046
; LENGTH: 372
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-2046

Query Match 36.9%; Score 552.5; DB 20; Length 372;

; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41352
; LENGTH: 305
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-41352

Query Match		26.2%	Score 393;	DB 20;	Length 305;
Best Local Similarity		36.5%	Pred. No. 2.1e-32;		
Matches	95;	Conservative	51;	Mismatches	88; Indels 26; Gaps 8;
Qy	2	FDKTRLPYVALDVLCVLLASMPMAVLKGOIY--PFQGFCKDINSINYPYHDSSTAATV	59		
Db	3	FNLSLRPPIRLLVDLVLLGLLIVLVENFRRLWGPPTKRGFFCDDDESLMYPYHENTVSPTL	62		
Qy	60	LILVGVLVPVSSIIILGETLSVYCNLLHSNSFISNNYIATYKAIGTFLEGAASQSLTDI	119		
Db	63	LHWLGLYLPILISLVLESF-----LSHRKDMAPWPTLWPVYNTVRWFYGVVSNDDLKGI	117		
Qy	120	AKYSIGRLRPHFLDVCDPDW-SKINCSD-----GYIEY----YICRGN-----AERVKEGRL	166		
Db	118	GKQALGRLEPHFFAVCSPPDPDGSCLDESHRGALKYHTDYECRPNLSQATEEMIRDVNV	177		
Qy	167	SFYSGHSSFSMYCMLFVALYLQAR---MKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYK	223		
Db	178	SFSPGHSAMAFYGLVFVALHRRRRWPLRGS---LLSPVLQACVALAWFVAISRVIDYK	234		
Qy	224	HHWSDVLTGLIQGALVAILV	243		
Db	235	HHWSDVAAGSLLGAGSALAV	254		

Search completed: November 2, 2005, 22:16:37
Job time : 85.5632 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 2, 2005, 21:27:15 ; Search time 17.4429 Seconds
(without alignments)
1215.413 Million cell updates/sec

Title: US-08-842-827-2
Perfect score: 1500
Sequence: 1 MFDKTRLPYVALDVLCVLLA.....HTTLHETPTTGNHYPNSHQ 284

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1320.5	88.0	285	3	US-08-992-035A-1
2	1271.5	84.8	283	3	US-08-992-035A-3
3	1271.5	84.8	283	4	US-09-360-376-53
4	1248	83.2	282	4	US-09-360-376-54
5	535.5	35.7	233	4	US-09-360-376-55
6	529	35.3	323	4	US-09-122-315C-18
7	404.5	27.0	412	4	US-09-270-767-43247
8	273	18.2	348	4	US-09-360-376-13
9	264.5	17.6	290	4	US-09-360-376-12
10	252.5	16.8	343	4	US-09-360-376-17
11	251	16.7	314	4	US-09-360-376-14
12	249	16.6	322	4	US-09-360-376-16
13	241.5	16.1	310	4	US-09-360-376-15
14	200.5	13.4	243	4	US-09-248-796A-15660
15	193.5	12.9	289	4	US-09-360-376-52
16	183	12.2	274	4	US-09-538-092-217
17	171.5	11.4	296	4	US-09-248-796A-15661
18	115.5	7.7	126	4	US-09-621-976-4116
19	102.5	6.8	305	4	US-09-710-279-2536
20	95	6.3	556	4	US-09-815-923-6
21	91	6.1	466	4	US-09-543-681A-8174
22	90	6.0	174	4	US-09-107-532A-4715
23	89.5	6.0	244	4	US-09-252-991A-21937
24	89.5	6.0	439	4	US-09-134-000C-5410
25	89	5.9	403	4	US-09-489-039A-9921
26	88.5	5.9	370	4	US-09-107-532A-4991
27	88	5.9	233	3	US-09-134-001C-4013

28	87.5	5.8	593	5	PCT-US93-07923-11	Sequence 11, Appl
29	87.5	5.8	755	5	PCT-US93-07923-3	Sequence 3, Appl
30	87.5	5.8	759	5	PCT-US93-07923-2	Sequence 2, Appl
31	87.5	5.8	766	1	US-08-230-491A-3	Sequence 3, Appl
32	87.5	5.8	766	1	US-08-619-280A-3	Sequence 3, Appl
33	87.5	5.8	766	2	US-08-940-391-3	Sequence 3, Appl
34	87.5	5.8	766	3	US-09-794-236-1	Sequence 1, Appl
35	87.5	5.8	775	4	US-09-949-016-10450	Sequence 10450, A
36	87	5.8	3011	4	US-10-104-966-1	Sequence 1, Appl
37	85.5	5.7	662	4	US-09-252-991A-22861	Sequence 22861, A
38	85	5.7	780	4	US-09-785-381-11	Sequence 11, Appl
39	85	5.7	1873	1	US-08-435-675B-4	Sequence 4, Appl
40	85	5.7	1873	1	US-08-336-257A-7	Sequence 7, Appl
41	84	5.6	304	3	US-09-134-001C-4518	Sequence 4518, Ap
42	83.5	5.6	249	4	US-09-248-796A-14768	Sequence 14768, A
43	83.5	5.6	501	4	US-09-248-796A-15842	Sequence 15842, A
44	83	5.5	793	3	US-08-374-077C-4	Sequence 4, Appl
45	83	5.5	793	3	US-08-895-590-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-08-992-035A-1
; Sequence 1, Application US/08992035A
; Patent No. 6242179
; GENERAL INFORMATION:
; APPLICANT: Shah, Purvi
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; TITLE OF INVENTION: HUMAN PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/992,035A
; FILING DATE: December 17, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0433 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 285 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BLADNOT06
; CLONE: 1719418
; US-08-992-035A-1

Query Match 88.0%; Score 1320.5; DB 3; Length 285;
Best Local Similarity 88.9%; Pred. No. 1.3e-139;
Matches 255; Conservative 8; Mismatches 19; Indels 5; Gaps 3;

APPLICANT: Ruezinsky, Diane
TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
FILE REFERENCE: 17026/01/US
CURRENT APPLICATION NUMBER: US/09/360,376
CURRENT FILING DATE: 1999-07-23
PRIOR APPLICATION NUMBER: US 09/122,315
PRIOR FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PatentIn version 3.0
SEQ ID NO 54
LENGTH: 282
TYPE: PRT
ORGANISM: Rattus sp.
US-09-360-376-54

Query Match 83.2%; Score 1248; DB 4; Length 282;
Best Local Similarity 83.1%; Pred. No. 1.7e-131;
Matches 236; Conservative 21; Mismatches 25; Indels 2; Gaps 2;
QY 1 MFDKTRLPYVALDVLCVLLAGLPFAILTSTRHTPFQRGVFCNDESIKYPYKEDTIPYALLG 60
Db 1 MFDKPRLPYVVDVICVLLAGLPFIILTSRHTPFQRGVFCNDESIKYPYREDTIPYALLG 60
QY 61 GIIPFIIIVILGETLSVYCNLLHSNFIIRNNYIATYKAGTFLFGAAASQSLTDIAK 120
Db 61 GIVIPFCIIIVITGETLSVYFNVLHSNFIIRNNYIATYKAVGAFLLFGASQSLTDIAK 120
QY 121 YSIGRLRPHFLDVPDWSKINCSGDYIEYICRGNAERVKEGRLSFYSGHSSFSMYCML 180
Db 121 YSIGRLRPHFLAVCNPDWSKINCSGDYIENFVQCQNEQKVRGRLSFYSGHSSFSMYCML 180
QY 181 FVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAI 240
Db 181 FVALYLOARMKGDWARLLRPMQLQFGLVALSIYVGLSRVSDYKHHWSDVLTGLIQGAVVAI 240
QY 241 LVAVYVSDFFKERTSFKEKEDSHTTLHETPTTGNHYPNSHQ 284
Db 241 LVVLYVTDFFKTESNKERK-EDSHTTLHET-TNRQSYARNHEP 282

RESULT 5
US-09-360-376-55
Sequence 55, Application US/09360376
Patent No. 6495739
GENERAL INFORMATION:
APPLICANT: Lassner, Michael
APPLICANT: Ruezinsky, Diane
TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
FILE REFERENCE: 17026/01/US
CURRENT APPLICATION NUMBER: US/09/360,376
CURRENT FILING DATE: 1999-07-23
PRIOR APPLICATION NUMBER: US 09/122,315
PRIOR FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PatentIn version 3.0
SEQ ID NO 55
LENGTH: 233
TYPE: PRT
ORGANISM: Homo sapiens
US-09-360-376-55

Query Match 35.7%; Score 535.5; DB 4; Length 233;
Best Local Similarity 55.1%; Pred. No. 1.1e-51;
Matches 109; Conservative 31; Mismatches 55; Indels 3; Gaps 3;
QY 6 RLPYVALDVLCVLLAGLPFAILTSTRHTPFQRGVFCNDESIKYPYKE-DTIPYALLGGII 63
Db 33 RVLLICLDLFLCMAGLPFLIETSTIKPYHRGFYCNDESIKYPYKLTGETINDAVLCAVG 92
QY 64 IPFSIIIVILGETLSVYCNLLHSNFIIRNNYIATYKAGTFLFGAAASQSLTDIAKYSI 123
Db 93 IVIAILAITGEFYRIY-YLKKSRSTIQNPYVAALYKQVGCFLFGCAISQSFTDIKYSI 151

QY 124 GRLRPHFLDVPDWSKINCSGDYIEYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVA 183
Db 152 GRLRPHFLSVCPNPDFSQINCSGYIQNTRCGDDSKVQEARKSFFSGHASFSMTMLYLV 211
QY 184 LYLOARMKGDWARLLRPT 201
Db 212 LYLOARFTWRGARCSPS 229
RESULT 6
US-09-122-315C-18
Sequence 18, Application US/09122315C
Patent No. 6476294
GENERAL INFORMATION:
APPLICANT: Michael W. Lassner
APPLICANT: Diane Ruezinsky
TITLE OF INVENTION: Plant Phosphatidic Acid Phosphatases
FILE REFERENCE: 17026/00/US
CURRENT APPLICATION NUMBER: US/09/122,315C
CURRENT FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 18
SOFTWARE: IBM PC; Windows NT 4.0; Microsoft Word for Windows 7.0a
SEQ ID NO 18
LENGTH: 323
TYPE: PRT
ORGANISM: artificial sequence
FEATURE:
OTHER INFORMATION: entire conserved region depicted in Figure 1
NAME/KEY: unsure
LOCATION: (1)..(323)
OTHER INFORMATION: unsure at all Xaa locations
US-09-122-315C-18
Query Match 35.3%; Score 529; DB 4; Length 323;
Best Local Similarity 47.5%; Pred. No. 9.5e-51;
Matches 126; Conservative 3; Mismatches 130; Indels 6; Gaps 4;
QY 12 LDVLCVLLAGLPFAI-LTSRHTPFQRGVFCNDESIKYPY--KEDTIPYALLGGIIPFSI 68
Db 39 LDVXCXXXAGLPFXIXXXXXXXPFXXRGXXCNDXSIKYPYXXXEXTIXXALLXXXXIXXXI 98
QY 69 IIVILGETLSVYCNLLHSNFIIRNNYIATYKAGTFLFGAAASQSLTDIAKYSIGRLRP 128
Db 99 XXXIXGEXLXXYXXXXXXSXXXXXXIAXXXYKXVGVFLFGXXXSQSXTDIAXXIGRLRP 158
QY 129 HFLDVPDWSKINCSGDYIEYIC-RGNAERVKEGRLSFYSGHSS--FSMYCMLFVALY 185
Db 159 HFLXXCNPDXSXINCSXGYIXXXXCXGNXXKXVEGRXFXSGHSSXXFSMYXMLXXXLY 218
QY 186 LOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVY 245
Db 219 LOARXXXXXARLXRPXMXFXFXXXXXXXXLSRXXDYHXXDXVXXGXXXXXXX 278
QY 246 VSDFFKERTSFKEKEDSHTTLHE 270
Db 279 XXXXXXXXXXDXDXXTLXE 303

RESULT 7
US-09-270-767-43247
Sequence 43247, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 43247
LENGTH: 412
TYPE: PRT

; Sequence 15660, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 15660
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-15660

Query Match 13.4%; Score 200.5; DB 4; Length 243;
Best Local Similarity 29.2%; Pred. No. 4.5e-14;
Matches 63; Conservative 35; Mismatches 87; Indels 31; Gaps 9;

Qy 63 IIPFSIIIVILGETLSVYCNLLHSNFIRNNYIATIKYKAIGTFLFGAAASQSLTDIAKYS 122
Db 25 VIPLSVIIIV--ALISTCPPKYK--LYNTWVSSI-----GLLSVLITSEFTNIVKNW 73

Qy 123 IGRLRPHFLDVCDP--DWSKINCSGDYIEYYIC-RGNAERVKEGRLSFYSGHSSFCMYCM 179
Db 74 FGRLRPDPFLDRCQPANDTPK---DKLVSIIEVCTTDNLDRLADGFRITTPSGHSSISFAGL 129

Qy 180 LFVALYL--QARMKGDWARLLRPTLQFLGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGAL 237
Db 130 FYLTFLGLQSQANNGKTSWRMTMISFIPWLMACYIALSRITQDYRHHFIDVFVGSCUGLI 189

Qy 238 VAI-----LVAVYVSDFKERTSFKE--RKEE 262
Db 190 IAIWQYFRLFPWFEGNQANDSFNNRIMEIEIKRKEE 225

RESULT 15
US-09-360-376-52
; Sequence 52, Application US/09360376
; Patent No. 6495739
; GENERAL INFORMATION:
; APPLICANT: Lasser, Michael
; APPLICANT: Ruezinsky, Diane
; TITLE OF INVENTION: PLANT PHOSPHATIDIC ACID PHOSPHATASES
; FILE REFERENCE: 17026/01/US
; CURRENT APPLICATION NUMBER: US/09/360,376
; CURRENT FILING DATE: 1999-07-23
; PRIOR APPLICATION NUMBER: US 09/122,315
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 52
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-360-376-52

Query Match 12.9%; Score 193.5; DB 4; Length 289;
Best Local Similarity 27.0%; Pred. No. 3.5e-13;
Matches 80; Conservative 44; Mismatches 107; Indels 65; Gaps 14;

Qy 4 KTRLPPYVALDVLCVLLAGLPFAILTSRHTPPQGVFCNDESIKYPY---KEDTIPYALLG 60
Db 16 KWRLEDVFLIIMILL-NYP---VYQQPFFERQFYINDLTISHPYATERVNNMLFVY 70

Qy 61 GIIIPFSIIIVILGETLSVYCNLLHSNFIRNNYIATIKYKAIGTFLFGAAASQSLTDIAK 120
Db 71 SFVVP-SLTILIIGSILA-----DRRLIFILYTSLLGLSLAWFSTSFFTNEIK 118

Qy 121 YSIGRLRPHFLDVCDPDPWSKINCSDG-----YIEYYIC-RGNAERVKEGRLSFYSGHSS 173
Db 119 NWIGRLRPHFLDRCQP-----VEGLPLDTLTAKDVCTTKNHERLLDGFRTTSGHSS 171

Qy 174 FS-----MYCMLFVALYLQARMKGDWARLLR--PTLQFLGLVAVSIYVGLSRVSDYKHHW 225
Db 172 ESFAGLGYLYFWLCGQLLTESPLMPLMRKMWAFULPLGAALIA-----LSRTQDYRHHF 225

Qy 226 SDVLTGLIQGALVAILVAVYVSDFEKKER-----TSFKERKEEDSHTTLHETPT 273
Db 226 VDVILGSMGLGYIMA-----HFFYRRIFPPIDDPPLPFKPLM-DDSDVTLEEAVT 272

Search completed: November 2, 2005, 21:48:55
Job time : 19.4429 secs

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OM protein - protein search, using sw model

Run on: November 2, 2005, 21:46:06 ; Search time 84.2664 Seconds
(without alignments)
1408.915 Million cell updates/sec

Title: US-08-842-827-2
Perfect score: 1500
Sequence: 1 MFDKTRLPYVALDVLCVLLA.....HTTLHETPTTGNHYPSNHQP 284

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1865214 seqs, 418043040 residues

Total number of hits satisfying chosen parameters: 1865214

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1500	100.0	284	18	US-10-764-425-157
2	1485.5	99.0	289	16	US-10-643-795A-136
3	1485.5	99.0	289	17	US-10-948-518-136
4	1320.5	88.0	285	16	US-10-655-601-1
5	1134	75.6	221	15	US-10-287-226-346
6	1134	75.6	221	15	US-10-287-226-348
7	794.5	53.0	274	18	US-10-491-467-49
8	716.5	47.8	311	17	US-10-812-238A-13
9	710.5	47.4	311	16	US-10-655-601-2
10	535	35.7	372	20	US-11-097-143-2046
11	440.5	29.4	340	20	US-11-097-143-14997
					Sequence 157, App
					Sequence 136, App
					Sequence 136, App
					Sequence 1, Appli
					Sequence 346, App
					Sequence 348, App
					Sequence 49, Appl
					Sequence 13, Appl
					Sequence 2, Appli
					Sequence 2046, Ap
					Sequence 14997, A

12	410	27.3	334	20	US-11-097-143-24018	Sequence 24018, A
13	395	26.3	246	20	US-11-097-143-912	Sequence 912, App
14	386.5	25.8	341	20	US-11-097-143-41346	Sequence 41346, A
15	364.5	24.3	305	20	US-11-097-143-41352	Sequence 41352, A
16	362.5	24.2	83	16	US-10-425-115-307142	Sequence 307142, A
17	331.5	22.1	321	15	US-10-343-357-5	Sequence 5, Appli
18	326	21.7	577	15	US-10-094-749-2701	Sequence 2701, Ap
19	325	21.7	305	20	US-11-097-143-41349	Sequence 41349, A
20	304.5	20.3	292	16	US-10-476-232-2	Sequence 2, Appli
21	282.5	18.8	326	17	US-10-204-921-58	Sequence 58, Appl
22	279.5	18.6	318	15	US-10-369-493-6893	Sequence 6893, Ap
23	274.5	18.3	89	14	US-10-029-386-29445	Sequence 29445, A
24	261.5	17.4	187	16	US-10-476-232-3	Sequence 3, Appli
25	259	17.3	321	16	US-10-425-115-323994	Sequence 323994, A
26	255	17.0	220	14	US-10-106-698-5750	Sequence 5750, Ap
27	252	16.8	377	15	US-10-425-114-47060	Sequence 47060, A
28	249	16.6	322	15	US-10-424-599-207810	Sequence 207810, A
29	249	16.6	333	15	US-10-425-114-43046	Sequence 43046, A
30	248.5	16.6	309	16	US-10-767-701-44853	Sequence 44853, A
31	248.5	16.6	311	16	US-10-425-115-203641	Sequence 203641, A
32	247.5	16.5	318	18	US-10-491-467-52	Sequence 52, Appl
33	246.5	16.4	180	9	US-09-860-670-125	Sequence 125, App
34	246.5	16.4	180	14	US-10-103-313-490	Sequence 490, App
35	246.5	16.4	180	15	US-10-227-646-125	Sequence 125, App
36	246.5	16.4	183	14	US-10-103-313-340	Sequence 340, App
37	246.5	16.4	343	15	US-10-424-599-276804	Sequence 276804, A
38	244.5	16.3	309	16	US-10-437-963-107839	Sequence 107839, A
39	243.5	16.2	607	16	US-10-723-860-3797	Sequence 3797, Ap
40	243	16.2	310	16	US-10-425-115-203640	Sequence 203640, A
41	243	16.2	318	15	US-10-425-114-70549	Sequence 70549, A
42	243	16.2	324	15	US-10-425-114-41280	Sequence 41280, A
43	241.5	16.1	310	16	US-10-425-115-239676	Sequence 239676, A
44	241.5	16.1	368	15	US-10-425-114-64697	Sequence 64697, A
45	241.5	16.1	427	15	US-10-108-260A-2833	Sequence 2833, Ap

ALIGNMENTS

RESULT 1

US-10-764-425-157
; Sequence 157, Application US/10764425
; Publication No. US20040146921A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; APPLICANT: Taylor, Ian
; TITLE OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF USE
; FILE REFERENCE: 5151
; CURRENT APPLICATION NUMBER: US/10/764,425
; CURRENT FILING DATE: 2004-01-23
; PRIOR FILING DATE: 2003-01-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 157
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-764-425-157

Query Match	100.0%;	Score 1500;	DB 18;	Length 284;
Best Local Similarity	100.0%;	Pred. No. 1.8e-148;		
Matches 284;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MFDKTRLPYVALDVLCVLLAGLPFAILTSRHTPFQGVFCNDESIKYPYKEDTIPYALIG	60	
Db	1	MFDKTRLPYVALDVLCVLLAGLPFAILTSRHTPFQGVFCNDESIKYPYKEDTIPYALIG	60	
Qy	61	GIIPFSIIIVILGETLSVYCNLLHNSFIRNNYIATIKYKAIGTFLFGAAASQSLTDIAK	120	
Db	61	GIIPFSIIIVILGETLSVYCNLLHNSFIRNNYIATIKYKAIGTFLFGAAASQSLTDIAK	120	

Qy 121 YSIGRLRPHFLDVCDPDWSKINCSDGYIEYYICRGAERVKGRLSFYSGHSSFSMYCML 180
Db 121 YSIGRLRPHFLDVCDPDWSKINCSDGYIEYYICRGAERVKGRLSFYSGHSSFSMYCML 180
Qy 181 FVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAI 240
Db 181 FVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAI 240
Qy 241 LVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 284
Db 241 LVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 284

RESULT 2
US-10-643-795A-136
; Sequence 136, Application US/10643795A
; Publication No. US20040241703A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/643,795A
; PRIOR FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 136
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-643-795A-136

Query Match 99.0%; Score 1485.5; DB 16; Length 289;
Best Local Similarity 97.9%; Pred. No. 6.3e-147;
Matches 283; Conservative 1; Mismatches 0; Indels 5; Gaps 1;
Qy 1 MFDKTRLPYVALDVLCVLLAGLPFAI-----LTSRHTPFQGVFCNDESIKYPYKEDTIP 55
Db 1 MFDKTRLPYVALDVLCVLLAGLPFAIFTSRHTPSRHTPFQGVFCNDESIKYPYKEDTIP 60
Qy 56 YALLGGIIIPFSIIIVILGETLSVYCNLLHSNFIRNNYIATIIYKAIGTFLFGAAASQSL 115
Db 61 YALLGGIIIPFSIIIVILGETLSVYCNLLHSNFIRNNYIATIIYKAIGTFLFGAAASQSL 120
Qy 116 TDIAKYSIGRLRPHFLDVCDPDWSKINCSDGYIEYYICRGAERVKGRLSFYSGHSSFS 175
Db 121 TDIAKYSIGRLRPHFLDVCDPDWSKINCSDGYIEYYICRGAERVKGRLSFYSGHSSFS 180
Qy 176 MYCMLFVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQG 235
Db 181 MYCMLFVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQG 240
Qy 236 ALVAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 284

Db 241 ALVAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 289
RESULT 3
US-10-948-518-136
; Sequence 136, Application US/10948518
; Publication No. US20050064492A1
; GENERAL INFORMATION:
; APPLICANT: FREDERIC J. DESAUVAGE
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: KENNETH J. HILLAN
; APPLICANT: PAUL POLAKIS
; APPLICANT: ANDREW POLSON
; APPLICANT: VICTORIA SMITH
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5026R1-US
; CURRENT APPLICATION NUMBER: US/10/948,518
; CURRENT FILING DATE: 2004-09-22
; PRIOR APPLICATION NUMBER: US/10/643,795
; PRIOR FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/413,192
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US 60/419,008
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/426,847
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/484,959
; PRIOR FILING DATE: 2003-07-02
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 136
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-948-518-136

Query Match 99.0%; Score 1485.5; DB 17; Length 289;
Best Local Similarity 97.9%; Pred. No. 6.3e-147;
Matches 283; Conservative 1; Mismatches 0; Indels 5; Gaps 1;
Qy 1 MFDKTRLPYVALDVLCVLLAGLPFAI-----LTSRHTPFQGVFCNDESIKYPYKEDTIP 55
Db 1 MFDKTRLPYVALDVLCVLLAGLPFAIFTSRHTPSRHTPFQGVFCNDESIKYPYKEDTIP 60
Qy 56 YALLGGIIIPFSIIIVILGETLSVYCNLLHSNFIRNNYIATIIYKAIGTFLFGAAASQSL 115
Db 61 YALLGGIIIPFSIIIVILGETLSVYCNLLHSNFIRNNYIATIIYKAIGTFLFGAAASQSL 120
Qy 116 TDIAKYSIGRLRPHFLDVCDPDWSKINCSDGYIEYYICRGAERVKGRLSFYSGHSSFS 175
Db 121 TDIAKYSIGRLRPHFLDVCDPDWSKINCSDGYIEYYICRGAERVKGRLSFYSGHSSFS 180
Qy 176 MYCMLFVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQG 235
Db 181 MYCMLFVALYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQG 240
Qy 236 ALVAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 284
Db 241 ALVAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPSNHQP 289

RESULT 4
US-10-655-601-1
; Sequence 1, Application US/10655601
; Publication No. US20040137522A1

```

; GENERAL INFORMATION:
; APPLICANT: Feany, Mel B.
; APPLICANT: Shulman, Joshua M.
; TITLE OF INVENTION: Genes and Proteins Altering Tau-Related Neuropathy
; FILE REFERENCE: 7570/73251
; CURRENT APPLICATION NUMBER: US/10/655,601
; CURRENT FILING DATE: 2003-09-05
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-655-601-1

Query Match      88.0%; Score 1320.5; DB 16; Length 285;
Best Local Similarity 88.9%; Pred. No. 1.2e-129;
Matches 255; Conservative 8; Mismatches 19; Indels 5; Gaps 3;

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Db      1 MFDKTRLPYVALDVLCVLLASMPMAVLKLGQIYPFQRFCKDINSINYPYHDSVTSTVL 60

Qy      58 LLGGIIIPFSIIIVILGETLSVYCNLLHSNFIIRNNYIATYIYKAIGTFLFGAAASQSLTD 117
      :||: :||
Db      61 ILVGVGLPIS--SIILGETLSVYCNLLHSNFIIRNNYIATYIYKAIGTFLFGAAASQSLTD 118

Qy      118 IAKYSIGRLRPHFLDVCDDWSKINCSGDYIEYYICRGNARVKEGRLSFYSGHSFSMW 177
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Db      119 IAKYSIGRLRPHFLDVCDDWSKINCSGDYIEYYICRGNARVKEGRLSFYSGHSFSMW 178

Qy      178 CMLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGAL 237
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Db      179 CMLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGAL 238

Qy      238 VAILVAVVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPNSHQ 284
      |||||
Db      239 VAILVAVVSDFFKERTSFKERKEEDSHTTLHETPTTGNHYPNSHQ 285

RESULT 5
US-10-287-226-346
; Sequence 346, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khrantsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigar, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Rieger, Daniel K.,
; APPLICANT: Rotherberg, Mark E.,
; APPLICANT: Shenoy, Suresh G.,
; APPLICANT: Spaderina, Steven K.,
; APPLICANT: Spytek, Kimberley A.,
; APPLICANT: Taupier, Jr., Raymond J.,
; APPLICANT: Vernet, Corine A.M.,
; APPLICANT: Zerhusen, Bryan D.,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-480C
; CURRENT APPLICATION NUMBER: US/10/287,226
; CURRENT FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: 60/334,421
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,392
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/360,148
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/364,000
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/404,821
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: 60/334,526
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/354,409
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 60/364,227
; PRIOR FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 60/334,027
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 60/331,641
; PRIOR FILING DATE: 2001-11-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 673
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 346
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-226-346

Query Match      75.6%; Score 1134; DB 15; Length 221;
Best Local Similarity 100.0%; Pred. No. 3.2e-110;
Matches 214; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      71 IILGETLSVYCNLLHSNFIIRNNYIATYIYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 130
      |||||
Db      8 IILGETLSVYCNLLHSNFIIRNNYIATYIYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHF 67

Qy      131 LDVCDPDWSKINCSGDYIEYYICRGNARVKEGRLSFYSGHSFSMYCMLFVALYLQARM 190
      |||||
Db      68 LDVCDPDWSKINCSGDYIEYYICRGNARVKEGRLSFYSGHSFSMYCMLFVALYLQARM 127

Qy      191 KGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVVSDFF 250
      |||||
Db      128 KGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVVSDFF 187

Qy      251 KERTSFKERKEEDSHTTLHETPTTGNHYPNSHQ 284
      |||||
Db      188 KERTSFKERKEEDSHTTLHETPTTGNHYPNSHQ 221

RESULT 6
US-10-287-226-348
; Sequence 348, Application US/10287226
; Publication No. US20040086875A1
; GENERAL INFORMATION:
; APPLICANT: Agee, Michele L.,
; APPLICANT: Alsobrook, John P.,
; APPLICANT: Berghs, Constance,
; APPLICANT: Boldog, Ference,
; APPLICANT: Burgess, Catherine E.,
; APPLICANT: Chant, John S.,
; APPLICANT: Chaudhuri, Amitabha,
; APPLICANT: DiPippo, Vincent A.,
; APPLICANT: Edinger, Shlomit R.,
; APPLICANT: Eisen, Andrew,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gangolli, Esha A.,
; APPLICANT: Gorman, Linda,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Khrantsov, Nikolai,
; APPLICANT: Li, Li,
; APPLICANT: Malyankar, Uriel M.,
; APPLICANT: MacDougall, John R.,
; APPLICANT: Mezes, Peter S.,
; APPLICANT: Miller, Charles E.,
; APPLICANT: Millet, Isabelle,
; APPLICANT: Ooi, Chean Eng,
; APPLICANT: Ort, Tatiana,
; APPLICANT: Padigar, Muralidhara,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
```


Db 66 DRLYSRSDF--NNYVAAVYKVLGTLFLFGAAVVSQSLTDLAKYMGRLRPNFLAVCDPDWSRV 124
Qy 142 NCSGDYIEY-YICRGAERVKEGRLSFYSGHSSFSMYCMLFVALYLOARMKGDWARLLRP 200
Db 125 NCS-VYVQLEKVCGRNPADVTEARLSFYSGHSSFGMYCMVFLALYVQARLCWKWARLLRP 183
Qy 201 TLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVYVSDPFKERTSFKERK 260
Db 184 TVQFFLVAFALYVGYTRVSDYKHHWSDVLVGLLQGALVAALTVCYISDFFKARPPQHCLK 243
Qy 261 EE--DSHTTLHETPTTG----NHYPNSH 282
Db 244 EEELERKPSLSLTLTGEADHNHYGYPH 271

RESULT 8
US-10-812-238A-13
; Sequence 13, Application US/10812238A
; Publication No. US20050002904A1
; GENERAL INFORMATION:
; APPLICANT: Wary, Kishore, K.
; APPLICANT: Humtsoe, Joseph O.
; TITLE OF INVENTION: Uses of Vascular Endothelial Growth Factor
; TITLE OF INVENTION: and Type I Collagen Inducible Protein (VCIP)
; FILE REFERENCE: D6563
; CURRENT APPLICATION NUMBER: US/10/812,238A
; CURRENT FILING DATE: 2004-03-29
; PRIOR APPLICATION NUMBER: US 60/458,164
; PRIOR FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO 13
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: CHAIN
; OTHER INFORMATION: human VCIP
US-10-812-238A-13

Query Match 47.8%; Score 716.5; DB 17; Length 311;
Best Local Similarity 57.1%; Pred. No. 3.1e-66;
Matches 144; Conservative 38; Mismatches 67; Indels 3; Gaps 3;
Qy 6 RLPYVALDVLCLVLLAGLPAIL-TSRHTPPQFQGVFCNDESIKYPYKE-DTIPYALLGGII 63
Db 33 RVLICLDLFLCFMAGLPFLIETSTIKPYHRGFYCNDESIKYPYKE-DTIPYALLGGII 63
Qy 64 IPFSIIIVILGETLSVYCNLLHNSFIRNNYIATYIKAGTFLFGAAASQSLTDIAKYSI 123
Db 93 IVIAILAITGEFYRIY-YLKRSRSTIQNPYVAALYKQVGCFLFGCAISQSFDTIAKYSI 151
Qy 124 GRLRPHELDVCDPDWSKINCSDGYIEYICRGAERVKEGRLSFYSGHSSFSMYCMLFVA 183
Db 152 GRLRPHELSVCNPDQFQINCEGYIQNYRCRGGDSKVQEARKSFFSGHASFMYTMYLV 211
Qy 184 LYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVA 243
Db 212 LYLOARFTWRGARLLRPLLOFTLIMAPYTGLSRVSDHKHPSDVLGFAQAGALVACCIV 271
Qy 244 VYVSDFFKERTS 255
Db 272 FFVSDLFKTKT 283

RESULT 9
US-10-655-601-2
; Sequence 2, Application US/10655601
; Publication No. US20040137522A1
; GENERAL INFORMATION:
; APPLICANT: Feany, Mel B.
; APPLICANT: Shulman, Joshua M.
; TITLE OF INVENTION: Genes and Proteins Altering Tau-Related Neuropathy
; FILE REFERENCE: 7570/73251

; CURRENT APPLICATION NUMBER: US/10/655,601
; CURRENT FILING DATE: 2003-09-05
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-655-601-2

Query Match 47.4%; Score 710.5; DB 16; Length 311;
Best Local Similarity 57.2%; Pred. No. 1.3e-65;
Matches 143; Conservative 37; Mismatches 67; Indels 3; Gaps 3;
Qy 6 RLPYVALDVLCLVLLAGLPAIL-TSRHTPPQFQGVFCNDESIKYPYKE-DTIPYALLGGII 63
Db 33 RVLICLDLFLCFMAGLPFLIETSTIKPYHRGFYCNDESIKYPYKE-DTIPYALLGGII 63
Qy 64 IPFSIIIVILGETLSVYCNLLHNSFIRNNYIATYIKAGTFLFGAAASQSLTDIAKYSI 123
Db 93 IVIAILAITGEFYRIY-YLKRSRSTIQNPYVAALYKQVGCFLFGCAISQSFDTIAKYSI 151
Qy 124 GRLRPHELDVCDPDWSKINCSDGYIEYICRGAERVKEGRLSFYSGHSSFSMYCMLFVA 183
Db 152 GRLRPHELSVCNPDQFQINCEGYIQNYRCRGGDSKVQEARKSFFSGHASFMYTMYLV 211
Qy 184 LYLOARMKGDWARLLRPTLQFGLVAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVA 243
Db 212 LYLOARFTWRGARLLRPLLOFTLIMAPYTGLSRVSDHKHPSDVLGFAQAGALVACCIV 271
Qy 244 VYVSDFFKERTS 253
Db 272 FFVSDLFKTKT 281

RESULT 10
US-11-097-143-2046
; Sequence 2046, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2046
; LENGTH: 372
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-2046

Query Match 35.7%; Score 535; DB 20; Length 372;

	Best Local Similarity	44.8%;	Pred.	No.	4.2e-47;	
Matches	121; Conservative	44;	Mismatches	85;	Indels	20; Gaps 7
QY	3 DKTRLPYVALDVLCVLLAGLPFAILTSRHTPPFORGVFCNDESIKYPYKEDTIPYALLG--	60	Dd	76 NKRILCRVGLDVLILLCAGFPILLFLFLLGEPEYKRGFFCCDDSLKHDFHDSIVRNWMLFYI	135	
QY	61 GIILPFSIIVI---ILGETLSVCYN-LLHSNSFTIRNNY-----IATYYKAIGTFLEGAANA	111	Dd	136 GAVIPGVGFIVEVIIISQNKAKQDNGNATRRRYVFMMNYELPDWMIECYKKIGIYAFGAVL	195	
QY	112 SQSLTDIAKYSIGRLRPHPFLDVDCPDWSK-INCSDG-----YIEYYICRG----NAERVKE	162	Dd	196 SOLTDTDIACYSIGRLRPHFIAVCQPQMADGSTCDDAINAGKIYIQEPTCKGVGSARMKE	255	
QY	163 GRLSFYSGHSSFSMYCMLFVALYLQARMKGDWARLLRPTLQGLVAVSIIYGLSRVSDYK	222	Dd	256 MRLSFPSPGHSSFTFFAMVYLALEYLARMTWRGSKLLRHLLQLFLFMVAWTALSRVSDYK	315	
QY	223 HHWSVDLTGLIOGALVAIVALVVYSDFPFKE	252	Dd	316 HHWSVDLAGSLGISIALVNAVYVSDLFOK	345	

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RESULT 11
US-11-097-143-14997
; Sequence 14997, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14997
; LENGTH: 340
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-14997

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		Query Match	29.4%;	Score 440.5;	DB 20;	Length 340;
		Best Local Similarity	35.9%;	Pred. No. 3e-37;		
		Matches 111; Conservative	57;	Mismatches 102;	Indels 39;	Gaps 11
<hr/>						
QY	3	DKTRLPYVALDVLCVLLAGLPFAILTSRHTPFQRGVFCNDESIKYPKYKEDTIPYALLGGI	62			
	:	: : : : :	:	: : : : :	:	:
Dd	31	DRRMTQRLLVELLVVVVLVIPICVYEFAVDPVRRGFGCDDDESISYPFQDNTITPVMGLGI	90			
	:	: : : : :	:	: : : : :	:	:
<hr/>						
QY	63	I--IPFSIIVII-----LGETLSVCNLLHSNFIRNNYIATYYKAIGT----	FLEGA	109		
	:	: : : : :	:	: : : : :	:	:
<hr/>						
Dd	91	VGLLPALVMVVVEVSHLRAGD-ISATVDLLGW-----VSTWYVELGRQSTYFCFGL	142			
	:	: : : : :	:	: : : : :	:	:

Qy	110	AASQSLTDIAKYSIGRLRPHFLDVCDP----	DWSKINCS	D-----GYIEYYICRG----	NAE	150
Db	143	LLTFDATEVGKTYTIGRLRPHFLAVCQPIADGSM--	CSDPVNLHRYMENYDCAGEGFTVE	200		
Qy	159	RVKEGRLSFYSGHSSFSMYCMLFVALYLQARMKGDWARLLRPTLQFGLVAVSIYVGLSRV	218			
Db	201	DVRQARLSPFSGHSSLAFAMIYVALYLQKITWRGSKLSRHFVQFAVVMVAWYALS	260			
Qy	219	SDYKHHWSVDLTGLIQALVAILVAVVVSDFKERTS---	FKERKEEDSHTTLHE--TPT	273		
Db	261	MDHWHHWSVDLGSLLGVAGALITAHYIARMFDDGASNILSGGLRRENTAATLQBEVCPT	320			
Qy	274	TGNHYPSNH	282			
Db	321	TPPPYSVNN	329			

RESULT 12
 US-11-097-143-24018
 ; Sequence 24018, Application US/11097143
 ; Publication No. US20050208558A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Venter, J. Craig
 ; APPLICANT: et al.
 ; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
 ; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
 ; TITLE OF INVENTION: DROSOPHILA GENES.
 ; FILE REFERENCE: CL000728
 ; CURRENT APPLICATION NUMBER: US/11/097,143
 ; CURRENT FILING DATE: 2005-04-04
 ; PRIOR APPLICATION NUMBER: 60/157,832
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: 60/160,191
 ; PRIOR FILING DATE: 1999-10-19
 ; PRIOR APPLICATION NUMBER: 60/161,932
 ; PRIOR FILING DATE: 1999-10-28
 ; PRIOR APPLICATION NUMBER: 60/164,769
 ; PRIOR FILING DATE: 1999-11-12
 ; PRIOR APPLICATION NUMBER: 60/173,383
 ; PRIOR FILING DATE: 1999-12-28
 ; PRIOR APPLICATION NUMBER: 60/175,693
 ; PRIOR FILING DATE: 2000-01-12
 ; PRIOR APPLICATION NUMBER: 60/184,831
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: 60/191,637
 ; PRIOR FILING DATE: 2000-03-23
 ; NUMBER OF SEQ ID NOS: 43008
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 24018
 ; LENGTH: 334
 ; TYPE: PRT
 ; ORGANISM: DROSOPHILA
 US-11-097-143-24018

	Query Match	27.3%;	Score 410;	DB 20;	Length 334;
	Best Local Similarity	37.5%;	Pred. No. 4.7e-34;		
Matches	99; Conservative	46; Mismatches	91; Indels	28; Gaps	11
QY	31 HTPFQRGVFNDESIKYPKEDTI--PYALGGIILPFSSIIVILGETLSVYCYNLLHSNS	88 			
DG	2 HT-FKRGFFCSDLSIRYPYKDCTITVPMLLMMLLPMLFVAVV-EIMRI-CKRFETRL	57 			
QY	89 FIRNNYIATIKAGTFLFGAASQS LTDIAKYSIGRLRPHFLDVCDP---DWSKINCSD	145 : : :			
DG	58 YERN----LWRAEATSFPGFIATYLTTTELAKHAVGLRPHPFHGCQPRLDDGS--SCSD	110 : : :			
QY	146 ----GYIEYYICRGN--AERVKEGRSLSFYSGHSSFSMYCMLFVALYLQARMKG-DWAR	196 : : :			
DG	111 LQNAELYVEQHCTNNNLSTRQIRELVHSPPSAHSSLSFYSMVLALLAYVHGVRGRGGVR	170 : : :			
QY	197 LLRPTLQFGLVAVSIYVGSLRSVDYKHHWSDVLTGLIQGALVAILVAVYVSDFFKERTSF	256 : : :			
DG	171 VLRHVLOFLIMLAACVSLSRVADYWHHWSDVLAGALLGVTYAITAAVYGNLLRRQTSS	230 : : :			

; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41352
; LENGTH: 305
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-41352

Query Match		24.3%	Score 364.5;	DB 20;	Length 305;
Best Local Similarity		36.6%	Pred. No. 2.4e-29;		
Matches	96;	Conservative	44;	Mismatches	91; Indels 31; Gaps 10;
Qy	2	FDKTRLPYVALDVLCVLLAGLPFAILTSRH---	TPFQGVFCNDESIKYPYKEDTIPYAL	58	
Db	3	FNLSLRPPIRLLVDVLLGLLIVLVENFRRLWGPPTKRGFFCDDDESLMYPYHENTVSPTL	62		
Qy	59	LG--GIIPFSIIVIIIGETLSVYCNLLHSNSFIRNNVIATIIYKAIGTFLEGAAASQSLT	116		
Db	63	LHWLGLYLPL-ISLVLESFLS-----HRKDMAPWPTLWPVYNTVRWFYGYVSNLLK	115		
Qy	117	DIAKYSIGRLRPHFLDVCDPDW-SKINCSD-----GYIEY---YICRGN-----AERVKEG	163		
Db	116	GIGKQALGRLRPHFFAVCSPHFPDGSCLDESHRGALKYHTDYECRPNLSQATEEMTRDV	175		
Qy	164	RLSFYSGHSSFSMYCMLFVALYLQAR---MKGDWARLLRPTLQFGLVAVSIYVGLSRVSD	220		
Db	176	NVSFPFSGHSAMAFYGLVFVALHLRRRRWPLRGS---LSPVLQLACVALAWFVAISRVID	232		
Qy	221	YKHHWSDVLTGLIQGALVAILV	242		
Db	233	YKHHWSDVAAGSLLGAGSALAV	254		

Search completed: November 2, 2005, 22:16:36
Job time : 86.2664 secs